

Converting Colors

XYZ(83.2817, 103.2974,
92.6437)

Have a look what the booklet for
XYZ(83.2817, 103.2974, 92.6437)
contains.

XYZ(77.3319, 91.2521, 90.6284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.3319, 91.2521,
90.6284)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FFE9
RGB	211, 255, 233
RGB Percent	83%, 100%, 91%
CMY	0.1725, 0.0000, 0.0863
CMYK	0.17, 0.00, 0.09, 0.00
HSL	150°, 100%, 91%
HSV	150°, 17%, 100%
XYZ	77.3319, 91.2521, 90.6284
YIQ	239.3360, -19.1620, -16.1700

Conversions

Conversions Part 2

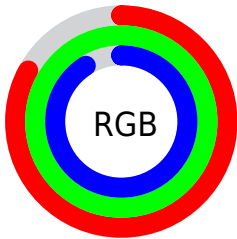
Format	Color
R _Y B	211, 240, 255
Decimal	13893609
CIE Lab	96.51, -18.20, 5.86
CIE LCh	97, 19.115, 162.159
Yxy	91.2521, 0.2983, 0.3520
Android (android.graphics.Color)	4292083689 (0xFFD3FFE9)
YUV	239.3360, -3.1236, -24.8507
Hunter-Lab	95.5260, -22.6679, 10.6179

Details

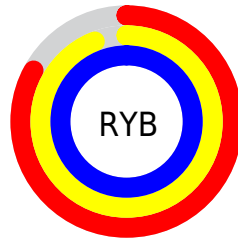
The XYZ color **77.3319, 91.2521, 90.6284** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2426, 73.7325, 87.1459**, and the grayscale version is **82.3397, 86.6277, 94.3376**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8402, 50.6304, 49.1624** is the 20% darker color. If you saturate the color by 10%, you get **68.8406, 87.0775, 81.0650**, and if you desaturate by 10%, it is **87.1153, 96.0774, 100.9421**.

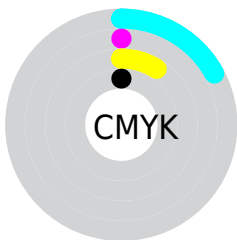
Distribution



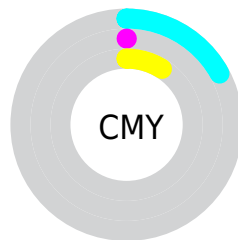
- Red (83%)
- Green (100%)
- Blue (91%)



- Red (83%)
- Yellow (94%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3319, 91.2521, 90.6284 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.3319, 91.2521, 90.6284 by changing the saturation by 10% instead.

77.3319, 91.2521,
90.6284

77.3319, 91.2521,
90.6284

474.7695,
532.0955, 550.6957

57.8262, 69.0196,
67.9253

128.5782,
149.0764, 150.1541

41.9117, 50.7277,
49.3707

161.0496,
185.4370, 187.8138

29.2229, 35.9919,
34.5459

198.5735,
227.2757, 231.2961

19.3947, 24.4280,
23.0326

241.5154,
274.9770, 281.0195

12.0615, 15.6514,
14.4120

290.2406,
328.9252, 337.4027

6.8581, 9.2778,
8.2658

345.1144,

3.4190, 4.9228,

389.5048, 400.8640

4.1753

406.5023,
457.1001, 471.8222

■ 1.3790, 2.2021,
1.7220

■ 0.2412, 0.7211,
0.3757

■ 77.3319, 91.2521,
90.6284

■ 77.3319, 91.2521,
90.6284

■ 68.8406, 87.0775,
81.0650

■ 87.1153, 96.0774,
100.9421

■ 61.5817, 83.5234,
72.2305

95.0500, 100.0000,
108.9000

■ 55.4942, 80.5587,
64.1085

■ 50.5108, 78.1489,
56.6804

■ 46.5571, 76.2561,
49.9269

■ 43.5487, 74.8371,
43.8272

■ 41.3868, 73.8413,
38.3595

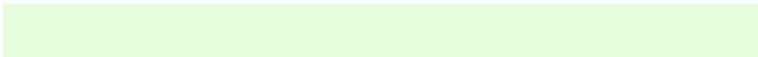
■ 39.9449, 73.2041,
33.4997

■ 39.6239, 73.0655,
32.2668

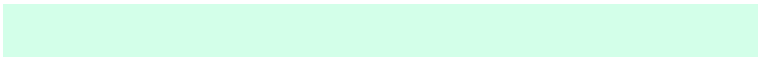
Harmonies

Analogous

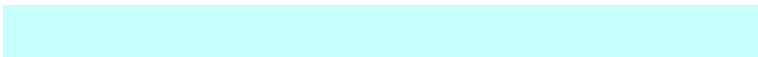
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0296, 91.2521, 79.1376



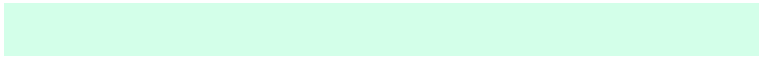
77.3319, 91.2521, 90.6284



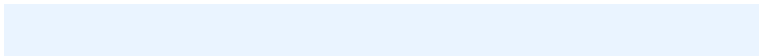
77.0884, 91.2521, 105.6734

Triad

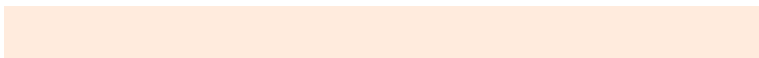
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3319, 91.2521, 90.6284



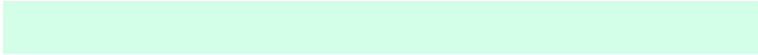
88.9104, 91.2521, 130.9242



94.5588, 91.2521, 80.9199

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.3319, 91.2521, 90.6284



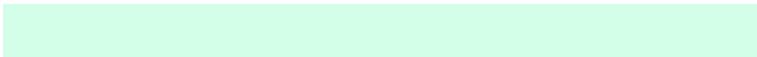
79.2426, 73.7325, 87.1459

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1489, 91.2521, 93.2994



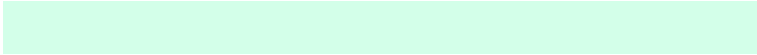
77.3319, 91.2521, 90.6284



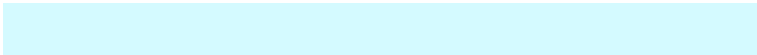
93.7993, 91.2521, 122.7590

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



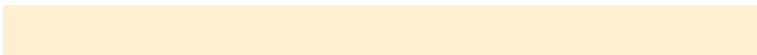
77.3319, 91.2521, 90.6284



83.6281, 91.2521, 130.0205



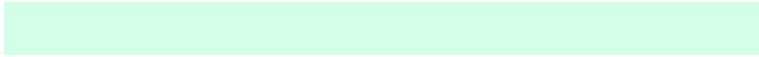
96.8654, 91.2521, 108.6310



89.9125, 91.2521, 73.9403

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



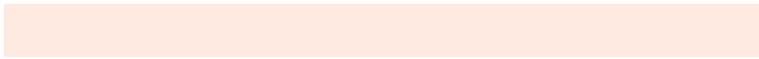
77.3319, 91.2521, 90.6284



78.3369, 91.2521, 115.8253



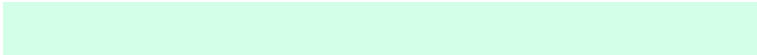
96.8654, 91.2521, 108.6310



95.7072, 91.2521, 84.5306

Sweetspot

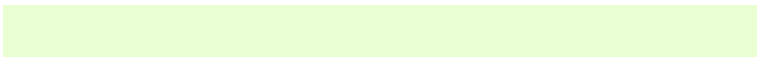
The Sweet Spot groups the original color and five complimentary colors.



77.3327, 91.2524, 90.6298



89.5043, 97.2577, 103.3717



81.1226, 93.5470, 75.4099



18.9966, 20.7376, 21.9628



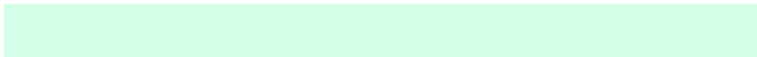
0.0000, 0.0000, 0.0000



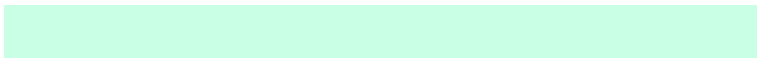
20.3446, 21.4041, 23.3091

Same Dimension

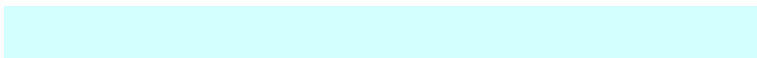
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3327, 91.2524, 90.6298



74.0036, 89.6140, 86.9605



80.6744, 92.5891, 108.2272



18.1504, 20.3197, 21.0949



20.7797, 38.2085, 17.2569



2.0784, 3.7423, 1.9705

Inverse Universe

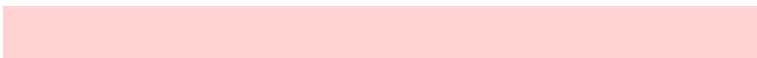
The Inverse Universe completely reimagines the original color for something new.



79.2426, 73.7325, 87.1459



76.2664, 68.8573, 82.8328



76.2928, 72.5526, 71.6121



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0346



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 77.3319, 91.2521, 90.6284 looks on a white background.

Color Contrast Check

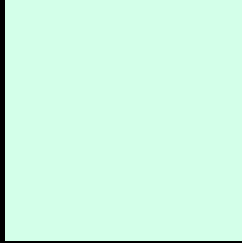
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.3319, 91.2521, 90.6284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

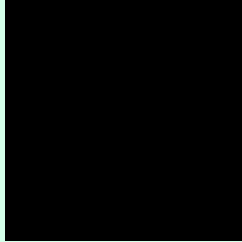
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

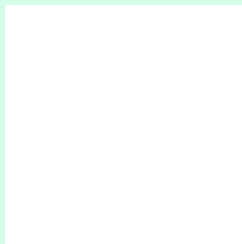
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3319, 91.2521, 90.6284

Background



This preview shows how black text looks on a background with the XYZ color 77.3319, 91.2521, 90.6284.



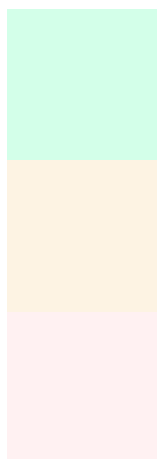
This preview shows how white text looks on a background with the XYZ color 77.3319, 91.2521,

90.6284.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.3319, 91.2521, 90.6284

Protanopia

86.4237, 90.5299, 85.5920

Deuteranopia

88.7223, 90.5814, 96.8122



Tritanopia

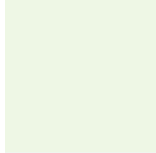
85.2424, 91.2340, 107.7249

Trichromacy



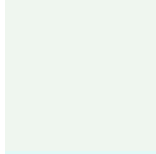
Original Color

77.3319, 91.2521, 90.6284



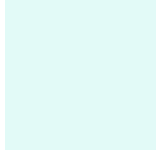
Protanomaly

82.6635, 90.3558, 87.2123



Deuteranomaly

84.1324, 90.4943, 94.6942



Tritanomaly

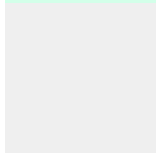
82.3381, 91.2554, 101.2701

Monochromacy



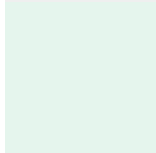
Original Color

77.3319, 91.2521, 90.6284



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.2516, 88.0773, 92.8917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3319, 91.2521, 90.6284 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.3319, 91.2521, 90.6284 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 255, 233) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 255, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3319, 91.2521, 90.6284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211,  
255, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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