

Converting Colors

XYZ(82.4475, 100.2689,
100.9480)

Have a look what the booklet for
XYZ(82.4475, 100.2689, 100.9480)
contains.

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Color

**XYZ(77.8213, 91.3171,
99.1123)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFF4
RGB	207, 255, 244
RGB Percent	81%, 100%, 96%
CMY	0.1882, 0.0000, 0.0431
CMYK	0.19, 0.00, 0.04, 0.00
HSL	166°, 100%, 91%
HSV	166°, 19%, 100%
XYZ	77.8213, 91.3171, 99.1123
YIQ	239.3940, -25.0770, -13.5970

Conversions

Conversions Part 2

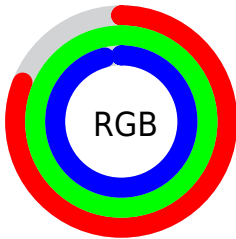
Format	Color
R_{YB}	207, 234, 255
Decimal	13631476
CIE Lab	96.54, -17.33, 0.21
CIE LCh	97, 17.329, 179.319
Yxy	91.3171, 0.2901, 0.3404
Android (android.graphics.Color)	4291821556 (0xFFCFFF4)
YUV	239.3940, 2.2708, -28.4095
Hunter-Lab	95.5600, -21.8647, 5.3980

Details

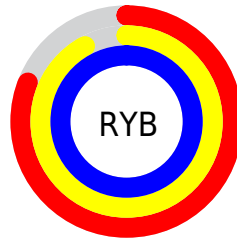
The XYZ color **77.8213, 91.3171, 99.1123** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2084, 70.9488, 76.0079**, and the grayscale version is **82.3476, 86.6361, 94.3467**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2201, 50.6944, 55.1367** is the 20% darker color. If you saturate the color by 10%, you get **70.3900, 87.5870, 94.2073**, and if you desaturate by 10%, it is **86.4330, 95.6524, 104.2223**.

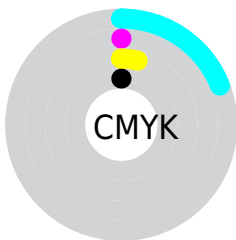
Distribution



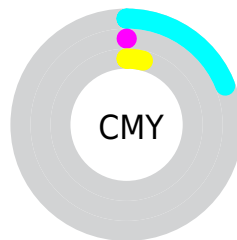
- Red (81%)
- Green (100%)
- Blue (96%)



- Red (81%)
- Yellow (92%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8213, 91.3171, 99.1123 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 77.8213, 91.3171, 99.1123 by changing the saturation by 10% instead.


 77.8213, 91.3171,
99.1123

 77.8213, 91.3171,
99.1123


476.4088,
532.3061, 578.5652

 58.2295, 69.0736,
74.9466

129.2649,
149.1666, 161.9780

 42.2371, 50.7716,
55.0677


161.8473,
185.5413, 201.5151

 29.4789, 36.0269,
39.0570


199.4907,
227.3952, 247.0130

 19.5895, 24.4550,
26.4959

242.5604,
275.1126, 298.8904

 12.2035, 15.6715,
16.9659

291.4216,
329.0780, 357.5658

 6.9556, 9.2920,
10.0485

346.4399,

 3.4805, 4.9321,

389.6758, 423.4577

5.3251

407.9805,
457.2904, 496.9847

■ 1.4126, 2.2075,
2.3772

■ 0.2652, 0.7241,
0.7740

■ 77.8213, 91.3171,
99.1123

■ 77.8213, 91.3171,
99.1123

■ 70.3900, 87.5870,
94.2073

■ 86.4330, 95.6524,
104.2223

■ 64.0812, 84.4323,
89.4989

95.0500, 100.0000,
108.9000

■ 58.8356, 81.8226,
84.9844

■ 54.5878, 79.7241,
80.6593

■ 51.2647, 78.0992,
76.5190

■ 48.7831, 76.9050,
72.5579

■ 47.0442, 76.0906,
68.7701

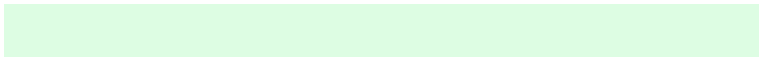
■ 45.9051, 75.5824,
65.1474

■ 45.7887, 75.5315,
64.7307

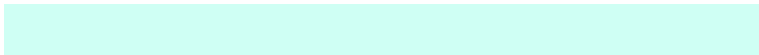
Harmonies

Analogous

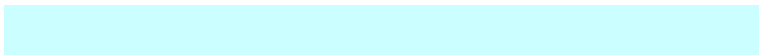
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0377, 91.3171, 86.4456



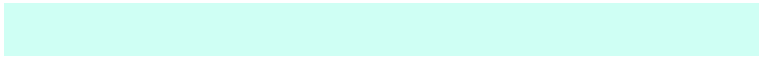
77.8213, 91.3171, 99.1123



78.9338, 91.3171, 113.0521

Triad

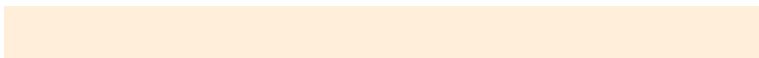
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8213, 91.3171, 99.1123



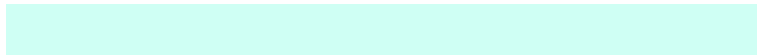
91.4291, 91.3171, 124.5119



91.6276, 91.3171, 78.2328

Complementary

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



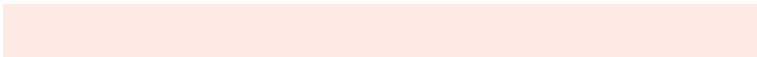
77.8213, 91.3171, 99.1123



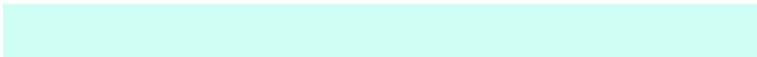
76.2084, 70.9488, 76.0079

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.



95.1598, 91.3171, 86.9464



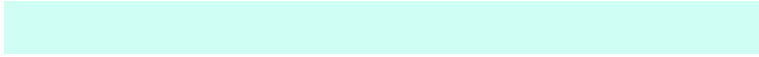
77.8213, 91.3171, 99.1123



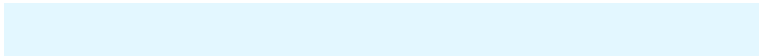
95.0422, 91.3171, 113.6510

Square

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



77.8213, 91.3171, 99.1123



86.6836, 91.3171, 128.5163



96.4315, 91.3171, 99.7460



86.9048, 91.3171, 75.0990

Rectangle

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



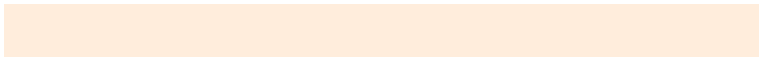
77.8213, 91.3171, 99.1123



80.8708, 91.3171, 121.0300



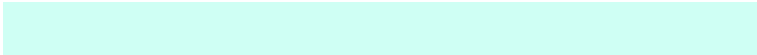
96.4315, 91.3171, 99.7460



92.9999, 91.3171, 80.5640

Sweetspot

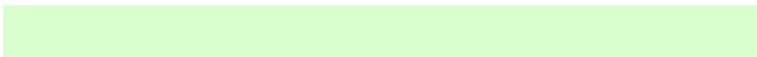
The Sweet Spot groups the original color and five complimentary colors.



77.8222, 91.3175, 99.1138



89.0840, 96.9890, 105.7013



75.9966, 90.9617, 72.5849



18.9345, 20.6925, 22.5509



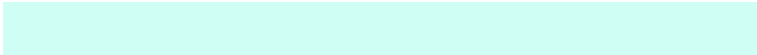
0.0000, 0.0000, 0.0000



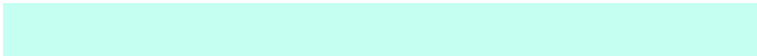
20.3446, 21.4041, 23.3091

Same Dimension

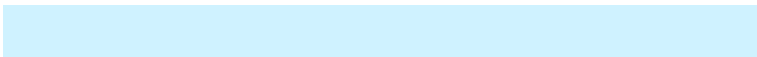
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8222, 91.3175, 99.1138



74.5772, 89.6872, 97.0398



75.5947, 84.1095, 106.8582



18.3663, 20.4061, 22.2319



23.9854, 39.4908, 34.1381



2.3767, 3.8616, 3.5416

Inverse Universe

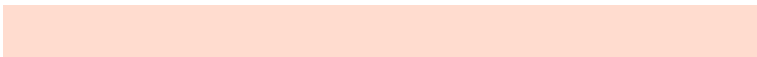
The Inverse Universe completely reimagines the original color for something new.



76.2084, 70.9488, 76.0079



72.6656, 65.5406, 69.6558



78.0440, 76.8475, 69.7527



18.1798, 18.0552, 19.5642



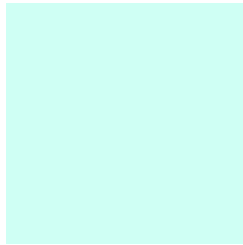
22.0001, 11.2893, 3.3850



2.1816, 1.1150, 0.5376

Previews

White Background



This preview shows how the XYZ color 77.8213, 91.3171, 99.1123 looks on a white background.

Color Contrast Check

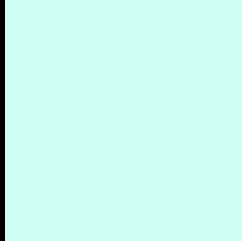
Large Text (above 18pt) WCAG AA × Fail

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 77.8213, 91.3171, 99.1123 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

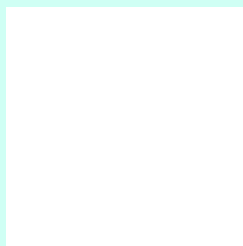
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8213, 91.3171, 99.1123

Background



This preview shows how black text looks on a background with the XYZ color 77.8213, 91.3171, 99.1123.



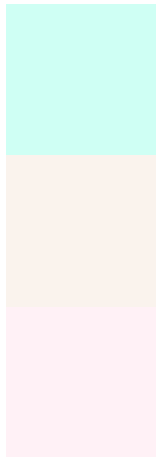
This preview shows how white text looks on a background with the XYZ color 77.8213, 91.3171,

99.1123.

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

77.8213, 91.3171, 99.1123

Protanopia

86.7610, 90.5396, 93.0239

Deuteranopia

89.3298, 90.8244, 100.0115



Tritanopia

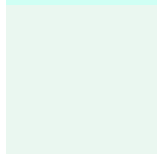
84.9150, 91.0652, 107.7096

Trichromacy



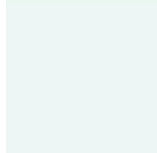
Original Color

77.8213, 91.3171, 99.1123



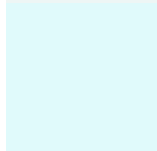
Protanomaly

82.9206, 90.3052, 95.4983



Deuteranomaly

84.6971, 90.6812, 99.4254



Tritanomaly

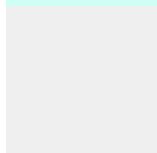
82.3387, 91.1835, 104.5273

Monochromacy



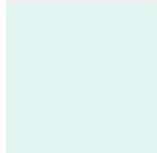
Original Color

77.8213, 91.3171, 99.1123



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.2081, 87.9866, 95.9748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8213, 91.3171, 99.1123 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(207, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 244)  
}
```

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(207, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 77.8213, 91.3171, 99.1123 is called "border". The border property can be set on classes, ids or directly on the HTML element.

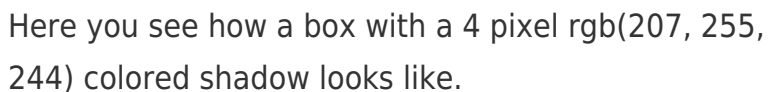
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 244) }
```


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

```
.border{ border-color:rgb(207, 255, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8213, 91.3171, 99.1123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 244) }
```

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

```
.background{ background-color: rgb(207,  
255, 244) }
```

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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