

Converting Colors

XYZ(77.8965, 91.4154, 96.4259)

Have a look what the booklet for
XYZ(77.8965, 91.4154, 96.4259)
contains.

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Color

**XYZ(77.9317, 91.4262,
96.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFF1
RGB	209, 255, 241
RGB Percent	82%, 100%, 95%
CMY	0.1804, 0.0000, 0.0549
CMYK	0.18, 0.00, 0.05, 0.00
HSL	162°, 100%, 91%
HSV	162°, 18%, 100%
XYZ	77.9317, 91.4262, 96.7587
YIQ	239.6500, -22.9220, -14.1060

Conversions

Conversions Part 2

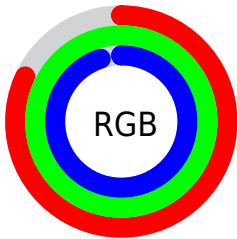
Format	Color
R _{YB}	209, 236, 255
Decimal	13762545
CIE Lab	96.59, -17.30, 1.83
CIE LCh	97, 17.396, 173.962
Yxy	91.4262, 0.2928, 0.3436
Android (android.graphics.Color)	4291952625 (0xFFD1FFF1)
YUV	239.6500, 0.6656, -26.8800
Hunter-Lab	95.6170, -21.8452, 6.9340

Details

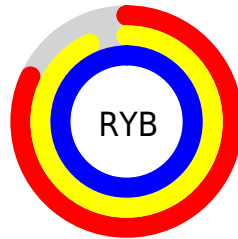
The XYZ color **77.9317, 91.4262, 96.7587** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3603, 72.1898, 79.6690**, and the grayscale version is **82.5583, 86.8578, 94.5881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2775, 50.7610, 53.4685** is the 20% darker color. If you saturate the color by 10%, you get **70.1507, 87.5460, 90.4727**, and if you desaturate by 10%, it is **86.9186, 95.9223, 103.3618**.

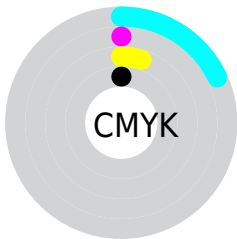
Distribution



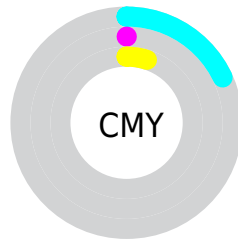
- Red (82%)
- Green (100%)
- Blue (95%)



- Red (82%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9317, 91.4262, 96.7587 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 77.9317, 91.4262, 96.7587 by changing the saturation by 10% instead.

77.9317, 91.4262,
96.7587

77.9317, 91.4262,
96.7587

476.7782,
532.6594, 570.9076

58.3205, 69.1641,
72.9947

129.4197,
149.3179, 158.7085

42.3106, 50.8454,
53.4798

162.0272,
185.7163, 197.7313

29.5367, 36.0856,
37.7956

199.6975,
227.5956, 242.6775

19.6336, 24.5003,
25.5235

242.7959,
275.3402, 293.9656

12.2357, 15.7052,
16.2449

291.6878,
329.3344, 352.0141

6.9777, 9.3158,
9.5414

346.7386,

3.4944, 4.9477,

389.9628, 417.2416

4.9944

408.3136,
457.6097, 490.0666

■ 1.4203, 2.2166,
2.1853

■ 0.2706, 0.7290,
0.6659

■ 77.9317, 91.4262,
96.7587

■ 77.9317, 91.4262,
96.7587

■ 70.1507, 87.5460,
90.4727

■ 86.9186, 95.9223,
103.3618

■ 63.5174, 84.2519,
84.4935

95.0500, 100.0000,
108.9000

■ 57.9729, 81.5135,
78.8168

■ 53.4517, 79.2971,
73.4360

■ 49.8810, 77.5654,
68.3445

■ 47.1782, 76.2757,
63.5349

■ 45.2457, 75.3778,
58.9992

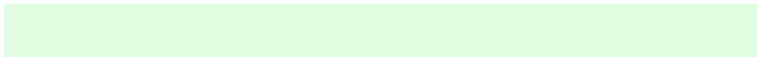
■ 43.9512, 74.8037,
54.7276

■ 43.7355, 74.7102,
53.9187

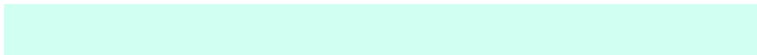
Harmonies

Analogous

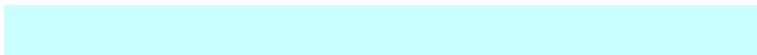
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5579, 91.4262, 84.6171



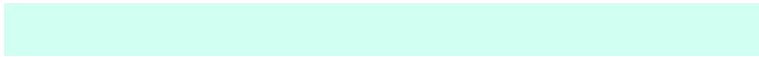
77.9317, 91.4262, 96.7587



78.6346, 91.4262, 110.8178

Triad

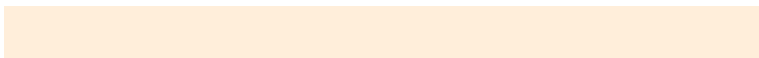
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9317, 91.4262, 96.7587



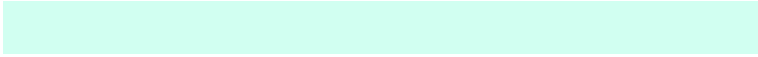
90.7488, 91.4262, 126.0631



92.5127, 91.4262, 79.4357

Complementary

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



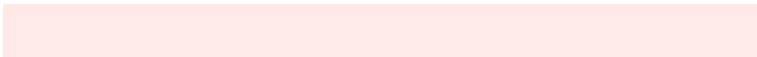
77.9317, 91.4262, 96.7587



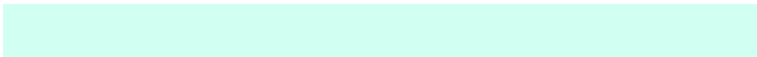
77.3603, 72.1898, 79.6690

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.



95.7206, 91.4262, 89.0686



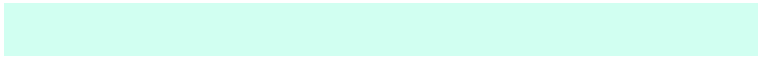
77.9317, 91.4262, 96.7587



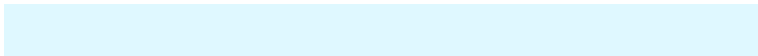
94.6759, 91.4262, 116.1386

Square

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



77.9317, 91.4262, 96.7587



85.9185, 91.4262, 128.6061



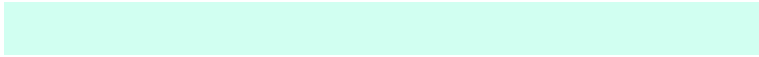
96.5266, 91.4262, 102.3896



87.8846, 91.4262, 75.2332

Rectangle

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



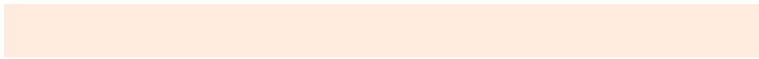
77.9317, 91.4262, 96.7587



80.3431, 91.4262, 119.3068



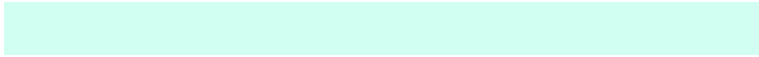
96.5266, 91.4262, 102.3896



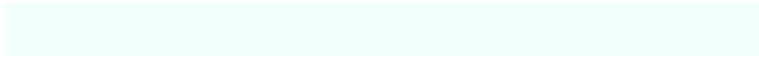
93.7997, 91.4262, 82.1001

Sweetspot

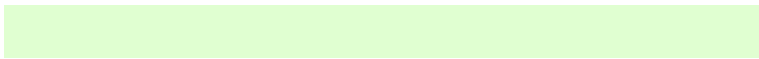
The Sweet Spot groups the original color and five complimentary colors.



77.9326, 91.4266, 96.7602



89.8953, 97.4141, 105.4307



77.8757, 91.9019, 73.9574



19.0917, 20.7756, 22.4635



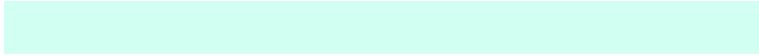
0.0000, 0.0000, 0.0000



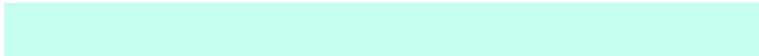
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9326, 91.4266, 96.7602



74.7086, 89.8172, 94.2320



77.4737, 87.0327, 107.3234



18.3056, 20.3818, 21.9123



22.9224, 39.0655, 28.5401



2.2806, 3.8231, 3.0352

Inverse Universe

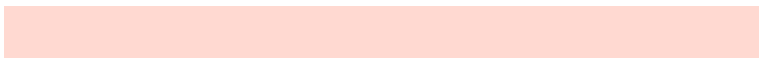
The Inverse Universe completely reimagines the original color for something new.



77.3603, 72.1898, 79.6690



74.0315, 67.0173, 73.9808



77.6741, 75.7139, 70.8434



18.2369, 18.0781, 19.8647



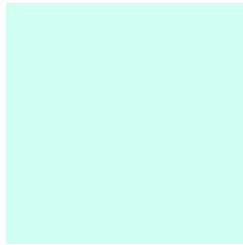
22.3176, 11.4164, 5.0572



2.2191, 1.1300, 0.7353

Previews

White Background



This preview shows how the XYZ color 77.9317, 91.4262, 96.7587 looks on a white background.

Color Contrast Check

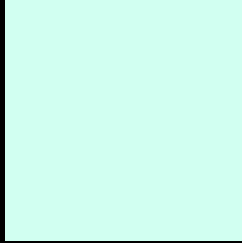
Large Text (above 18pt) WCAG AA × Fail

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 77.9317, 91.4262, 96.7587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

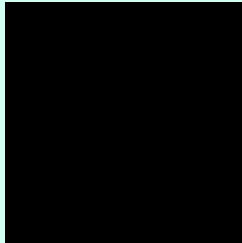
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

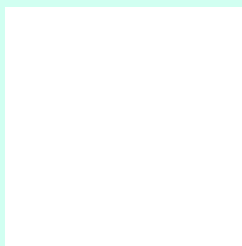
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9317, 91.4262, 96.7587

Background



This preview shows how black text looks on a background with the XYZ color 77.9317, 91.4262, 96.7587.



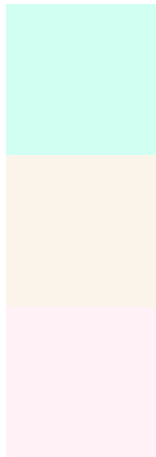
This preview shows how white text looks on a background with the XYZ color 77.9317, 91.4262,

96.7587.

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

77.9317, 91.4262, 96.7587

Protanopia

87.1297, 91.2088, 91.6101

Deuteranopia

89.1767, 90.7632, 99.2051



Tritanopia

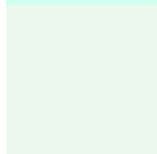
85.2424, 91.2340, 107.7249

Trichromacy



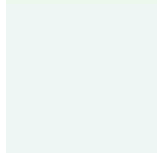
Original Color

77.9317, 91.4262, 96.7587



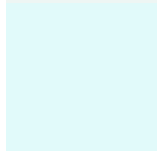
Protanomaly

83.4455, 91.0821, 93.3033



Deuteranomaly

84.5448, 90.6203, 98.6234



Tritanomaly

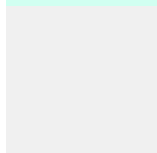
82.4923, 91.2809, 103.7136

Monochromacy



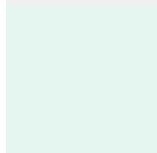
Original Color

77.9317, 91.4262, 96.7587



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6937, 88.2541, 95.2198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9317, 91.4262, 96.7587 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(209, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 241)  
}
```

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(209, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 77.9317, 91.4262, 96.7587 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(209, 255, 241) }
```


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

```
.border{ border-color:rgb(209, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9317, 91.4262, 96.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 241) }
```

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

```
.background{ background-color: rgb(209,  
255, 241) }
```

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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