

Converting Colors

XYZ(57.0209, 81.0441, 77.8048)

Have a look what the booklet for
XYZ(57.0209, 81.0441, 77.8048)
contains.

XYZ(57.0568, 81.0671, 77.6060)	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(57.0568, 81.0671,
77.6060)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFD8
RGB	128, 255, 216
RGB Percent	50%, 100%, 85%
CMY	0.4980, 0.0000, 0.1529
CMYK	0.50, 0.00, 0.15, 0.00
HSL	162°, 100%, 75%
HSV	162°, 50%, 100%
XYZ	57.0568, 81.0671, 77.6060
YIQ	212.5810, -63.1730, -39.0530

Conversions

Conversions Part 2

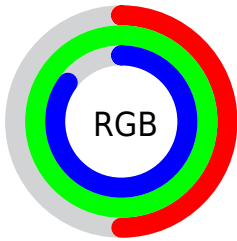
Format	Color
RYB	128, 203, 255
Decimal	8454104
CIELab	92.16, -44.43, 7.83
CIElCh	92, 45.112, 170.001
Yxy	81.0671, 0.2645, 0.3758
Android (android.graphics.Color)	4286644184 (0xFF80FFD8)
YUV	212.5810, 1.6856, -74.1775
Hunter-Lab	90.0373, -44.4494, 11.9221

Details

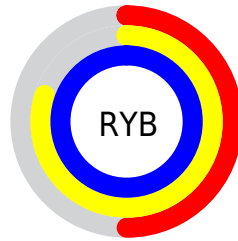
The XYZ color **57.0568, 81.0671, 77.6060** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.9350, 39.4895, 41.2344**, and the grayscale version is **62.9856, 66.2658, 72.1634**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **28.8071, 44.0852, 40.7092** is the 20% darker color. If you saturate the color by 10%, you get **52.7031, 78.9368, 72.2437**, and if you desaturate by 10%, it is **62.4241, 83.7142, 83.2703**.

Distribution



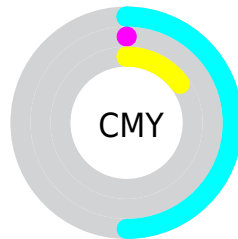
- Red (50%)
- Green (100%)
- Blue (85%)



- Red (50%)
- Yellow (80%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0568, 81.0671, 77.6060 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 57.0568, 81.0671, 77.6060 by changing the saturation by 10% instead.


 57.0568, 81.0671,
77.6060


 57.0568, 81.0671,
77.6060


403.6729,
498.5218, 506.3202

 41.2912, 60.5969,
57.2359


 99.6789, 134.8650,
131.7754

 28.7353, 43.8999,
40.7840


 127.2662,
168.9614, 166.4117

 19.0240, 30.5918,
27.8319


 159.5246,
208.3687, 206.6404

 11.7917, 20.2882,
17.9611

196.8197,
253.4712, 252.8802

 6.6732, 12.6047,
10.7529

239.5166,
304.6534, 305.5495

 3.3031, 7.1569,
5.7888

287.9809,

 1.3160, 3.5604,

362.2997, 365.0669

2.6504

342.5779,
426.7943, 431.8510

■ 0.1951, 1.4309,
0.9183

■ 0.0000, 0.2393,
0.0000

■ 57.0568, 81.0671,
77.6060

■ 57.0568, 81.0671,
77.6060

■ 52.7031, 78.9368,
72.2437

■ 62.4241, 83.7142,
83.2703

■ 49.2861, 77.2840,
67.1723

■ 68.8690, 86.9113,
89.2390

■ 46.7219, 76.0654,
62.3857

■ 76.4533, 90.6899,
95.5197

■ 44.9093, 75.2289,
57.8755

■ 85.2331, 95.0791,
102.1181

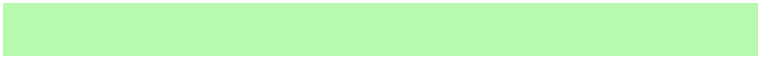
■ 43.6871, 74.6916, 95.0500, 100.0000,
53.6305 108.9000

■ 43.6654, 74.6821,
53.5491

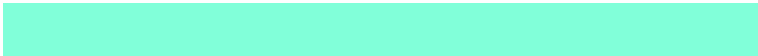
Harmonies

Analogous

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



61.1562, 81.0671, 53.1637



57.0568, 81.0671, 77.6060



57.8868, 81.0671, 112.0407

Triad

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



57.0568, 81.0671, 77.6060



84.9581, 81.0671, 163.1829



92.3418, 81.0671, 47.7285

Complementary

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



57.0568, 81.0671, 77.6060



55.9350, 39.4895, 41.2344

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.



100.0391, 81.0671, 68.1214



57.0568, 81.0671, 77.6060



95.4877, 81.0671, 136.1778

Square

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



57.0568, 81.0671, 77.6060



73.2329, 81.0671, 167.5754



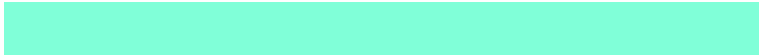
101.2450, 81.0671, 99.8650



81.0013, 81.0671, 39.0188

Rectangle

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



57.0568, 81.0671, 77.6060



61.1564, 81.0671, 136.1790



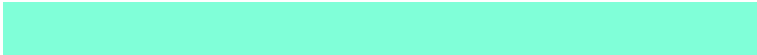
101.2450, 81.0671, 99.8650



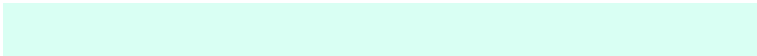
95.4874, 81.0671, 53.1630

Sweetspot

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



57.0576, 81.0675, 77.6074



80.5171, 92.7199, 98.6484



55.8518, 81.4276, 33.1969



16.8448, 19.6514, 20.8189



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

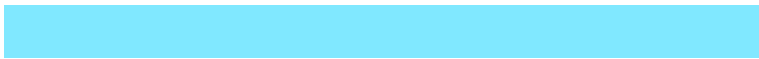
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.0576, 81.0675, 77.6074



52.6267, 78.8997, 72.1406



55.7298, 69.3638, 105.0590



18.3034, 20.3809, 21.9006



22.8860, 39.0510, 28.3485



2.2772, 3.8218, 3.0177

Inverse Universe

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



55.9350, 39.4895, 41.2344



51.4149, 32.9321, 32.0735



56.2494, 45.0442, 26.1533



18.2390, 18.0789, 19.8758



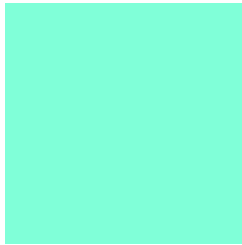
22.3312, 11.4218, 5.1286



2.2207, 1.1306, 0.7434

Previews

White Background



This preview shows how the XYZ color 57.0568, 81.0671, 77.6060 looks on a white background.

Color Contrast Check

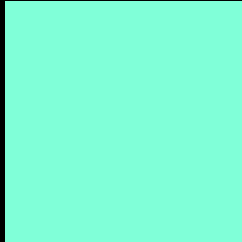
Large Text (above 18pt) WCAG AA × Fail

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 57.0568, 81.0671, 77.6060 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 57.0568, 81.0671, 77.6060

Background



This preview shows how black text looks on a background with the XYZ color 57.0568, 81.0671, 77.6060.

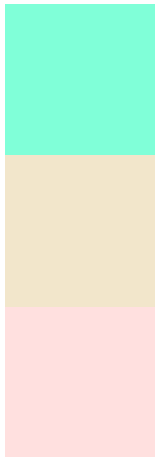


This preview shows how white text looks on a background with the XYZ color 57.0568, 81.0671,

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

57.0568, 81.0671, 77.6060

Protanopia

75.6943, 79.7827, 67.9100

Deuteranopia

81.2149, 79.8990, 80.9536



Tritanopia

68.8582, 80.5480, 106.5259

Trichromacy



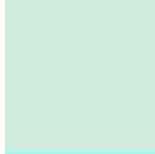
Original Color

57.0568, 81.0671, 77.6060



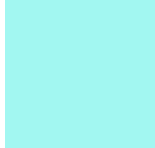
Protanomaly

66.3391, 78.7046, 71.3696



Deuteranomaly

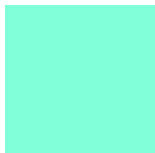
68.9211, 78.1393, 79.1600



Tritanomaly

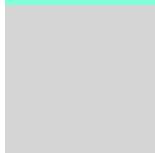
64.0382, 80.5538, 95.3924

Monochromacy



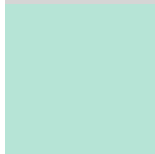
Original Color

57.0568, 81.0671, 77.6060



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.1724, 70.2869, 74.0663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0568, 81.0671, 77.6060 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(128, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 216)  
}
```

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(128, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 57.0568, 81.0671, 77.6060 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(128, 255, 216) }
```


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

```
.border{ border-color:rgb(128, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0568, 81.0671, 77.6060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 216) }
```

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

```
.background{ background-color: rgb(128,  
255, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor