

Converting Colors

XYZ(62.7528, 100.0000,
84.0311)

Have a look what the booklet for
XYZ(62.7528, 100.0000, 84.0311)
contains.

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Color

**XYZ(51.9027, 78.3496,
80.0976)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFFDC
RGB	79, 255, 220
RGB Percent	31%, 100%, 86%
CMY	0.6902, 0.0000, 0.1372
CMYK	0.69, 0.00, 0.14, 0.00
HSL	168°, 100%, 65%
HSV	168°, 69%, 100%
XYZ	51.9027, 78.3496, 80.0976
YIQ	198.3860, -93.6610, -48.1970

Conversions

Conversions Part 2

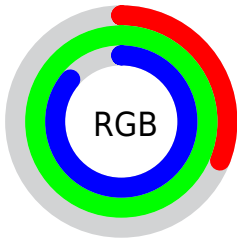
Format	Color
RYB	79, 177, 255
Decimal	5242844
CIELab	90.94, -52.26, 3.83
CIELCh	91, 52.402, 175.804
Yxy	78.3496, 0.2467, 0.3725
Android (android.graphics.Color)	4283432924 (0xFF4FFFDC)
YUV	198.3860, 10.6557, -104.7015
Hunter-Lab	88.5153, -50.2348, 8.3091

Details

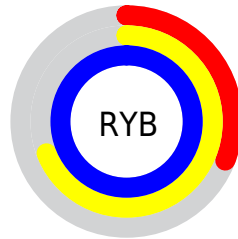
The XYZ color **51.9027, 78.3496, 80.0976** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **47.0741, 28.0680, 18.8578**, and the grayscale version is **53.8902, 56.6967, 61.7427**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **26.7578, 42.6491, 42.4191** is the 20% darker color. If you saturate the color by 10%, you get **49.5119, 77.1935, 76.5338**, and if you desaturate by 10%, it is **55.1286, 79.9337, 83.8095**.

Distribution



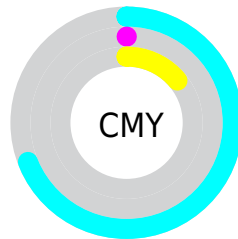
- Red (31%)
- Green (100%)
- Blue (86%)



- Red (31%)
- Yellow (69%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9027, 78.3496, 80.0976 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 51.9027, 78.3496, 80.0976 by changing the saturation by 10% instead.


 51.9027, 78.3496,
80.0976

 51.9027, 78.3496,
80.0976


384.3910,
489.3533, 514.9771


 37.1515, 58.3612,
59.2720


 92.1628, 131.0428,
135.3156


 25.4990, 42.0991,
42.4107


 118.4024,
164.5165, 170.5451

 16.5799, 29.1789,
29.0950


 149.2022,
203.2540, 211.4130

 10.0289, 19.2162,
18.9065

 184.9275,
247.6397, 258.3378

 5.4805, 11.8266,
11.4266

225.9436,
298.0581, 311.7381

 2.5695, 6.6257,
6.2368

272.6160,

 0.9304, 3.2292,

354.8936, 372.0323

2.9185

325.3100,
418.5305, 439.6392

■ 0.0000, 1.2525,
1.0532

■ 0.0000, 0.1040,
0.0000

■ 51.9027, 78.3496,
80.0976

■ 51.9027, 78.3496,
80.0976

■ 49.5119, 77.1935,
76.5338

■ 55.1286, 79.9337,
83.8095

■ 47.8545, 76.4132,
73.1085


■ 59.2702, 81.9877,
87.6702


■ 46.7854, 75.9338,
69.8151

■ 64.4016, 84.5495,
91.6855

■ 46.6940, 75.8936,
69.4975

■ 70.5885, 87.6529,
95.8591

 77.8906, 91.3289,
100.1950

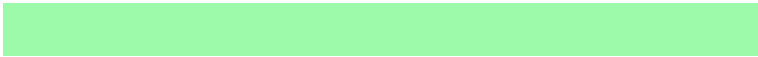
 86.3636, 95.6060,
104.6964

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.3754, 78.3496, 50.6118



51.9027, 78.3496, 80.0976



53.8642, 78.3496, 121.0503

Triad

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



51.9027, 78.3496, 80.0976



86.0806, 78.3496, 168.9777



89.6744, 78.3496, 38.1816

Complementary

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



51.9027, 78.3496, 80.0976



47.0741, 28.0680, 18.8578

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.



99.7541, 78.3496, 57.4027



51.9027, 78.3496, 80.0976



97.5131, 78.3496, 133.0665

Square

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



51.9027, 78.3496, 80.0976



72.6262, 78.3496, 180.3557



102.7788, 78.3496, 90.7425



76.3426, 78.3496, 31.3865

Rectangle

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



51.9027, 78.3496, 80.0976



58.1300, 78.3496, 148.8071



102.7788, 78.3496, 90.7425



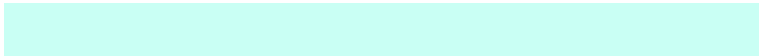
93.6141, 78.3496, 43.0644

Sweetspot

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



51.9036, 78.3500, 80.0990



76.3511, 90.5530, 99.3220



44.1378, 75.6758, 19.6791



15.8997, 19.1592, 21.0012



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.



51.9036, 78.3500, 80.0990



48.7700, 76.8408, 75.1530



42.4431, 51.2186, 102.2569



18.3909, 20.4159, 22.3615



24.4532, 39.6779, 36.6012



2.4185, 3.8783, 3.7615

Inverse Universe

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



47.0741, 28.0680, 18.8578



43.7738, 23.6762, 10.9488



50.8764, 38.2743, 12.1047



18.1570, 18.0461, 19.4440



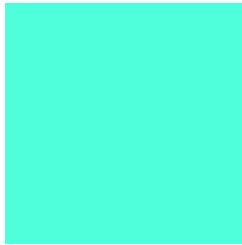
21.8992, 11.2490, 2.8535



2.1687, 1.1099, 0.4699

Previews

White Background



This preview shows how the XYZ color 51.9027, 78.3496, 80.0976 looks on a white background.

Color Contrast Check

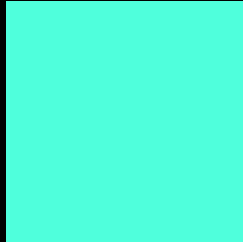
Large Text (above 18pt) WCAG AA × Fail

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 51.9027, 78.3496, 80.0976 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

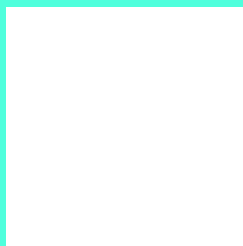
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9027, 78.3496, 80.0976

Background



This preview shows how black text looks on a background with the XYZ color 51.9027, 78.3496, 80.0976.



This preview shows how white text looks on a background with the XYZ color 51.9027, 78.3496,

Color Blindness Simulation

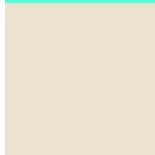
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



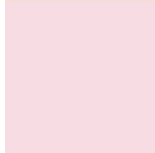
Original Color

51.9027, 78.3496, 80.0976



Protanopia

72.8079, 76.6334, 68.7119



Deuteranopia

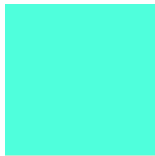
78.3082, 76.7443, 84.0846



Tritanopia

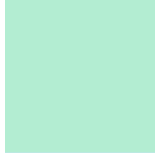
63.8034, 77.5015, 106.2042

Trichromacy



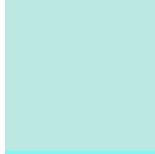
Original Color

51.9027, 78.3496, 80.0976



Protanomaly

60.5075, 74.8052, 72.2225



Deuteranomaly

63.2230, 74.2789, 82.2392



Tritanomaly

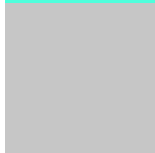
58.1887, 77.0682, 95.8132

Monochromacy



Original Color

51.9027, 78.3496, 80.0976



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.9897, 62.0878, 67.7419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9027, 78.3496, 80.0976 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(79, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 220)  
}
```

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(79, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 51.9027, 78.3496, 80.0976 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(79, 255, 220) }
```


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

```
.border{ border-color:rgb(79, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9027, 78.3496, 80.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 220) }
```

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

```
.background{ background-color: rgb(79, 255,  
220) }
```

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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