

Converting Colors

XYZ(62.5125, 100.2054,
67.3811)

Have a look what the booklet for
XYZ(62.5125, 100.2054, 67.3811)
contains.

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Color

**XYZ(51.7947, 78.6483,
64.0805)**

Conversions

Conversions Part 1

Format	Color
Hex	6CFFC3
RGB	108, 255, 195
RGB Percent	42%, 100%, 76%
CMY	0.5765, 0.0000, 0.2353
CMYK	0.58, 0.00, 0.24, 0.00
HSL	156°, 100%, 71%
HSV	156°, 58%, 100%
XYZ	51.7947, 78.6483, 64.0805
YIQ	204.2070, -68.3520, -49.8240

Conversions

Conversions Part 2

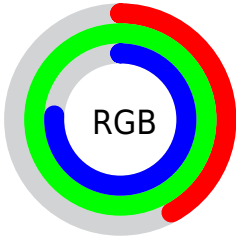
Format	Color
RYB	108, 200, 255
Decimal	7143363
CIELab	91.07, -53.13, 17.01
CIELCh	91, 55.786, 162.249
Yxy	78.6483, 0.2663, 0.4043
Android (android.graphics.Color)	4285333443 (0xFF6CFFC3)
YUV	204.2070, -4.5391, -84.3735
Hunter-Lab	88.6839, -50.9461, 19.2374

Details

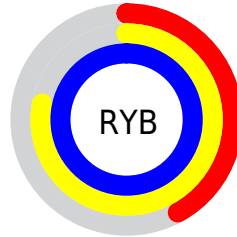
The XYZ color **51.7947, 78.6483, 64.0805** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.6711, 34.8132, 40.9376**, and the grayscale version is **57.5844, 60.5833, 65.9752**.

A 20% lighter version of the original color is **69.9083, 87.0943, 105.2218**, and **25.3390, 42.1469, 31.9990** is the 20% darker color. If you saturate the color by 10%, you get **47.9978, 76.8222, 57.9730**, and if you desaturate by 10%, it is **56.5817, 80.9753, 70.6652**.

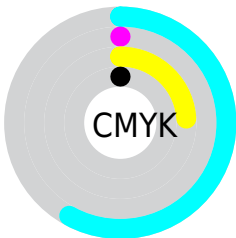
Distribution



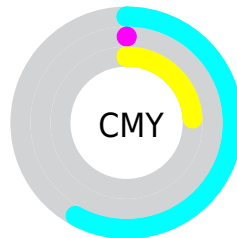
- Red (42%)
- Green (100%)
- Blue (76%)



- Red (42%)
- Yellow (78%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (58%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7947, 78.6483, 64.0805 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 51.7947, 78.6483, 64.0805 by changing the saturation by 10% instead.


 51.7947, 78.6483,
64.0805


 51.7947, 78.6483,
64.0805

383.9805,
490.3657, 457.6957

 37.0651, 58.6067,
46.2693


 92.0044, 131.4636,
112.3274

 25.4318, 42.2966,
32.1082


 118.2152,
165.0061, 143.6002

 16.5295, 29.3336,
21.1786


 148.9838,
203.8177, 180.1973

 9.9928, 19.3333,
13.0621

184.6755,
248.2828, 222.5372

 5.4564, 11.9114,
7.3401

225.6556,
298.7857, 271.0385

 2.5550, 6.6834,
3.5940

272.2896,

 0.9231, 3.2649,

355.7109, 326.1196

1.4054

324.9428,
419.4428, 388.1992

0.0000, 1.2715,
0.1459

0.0000, 0.1190,
0.0000

51.7947, 78.6483,
64.0805

51.7947, 78.6483,
64.0805

47.9978, 76.8222,
57.9730

56.5817, 80.9753,
70.6652

45.1057, 75.4532,
52.3262

62.4301, 83.8398,
77.7350

43.0212, 74.4915,
47.1277

69.4067, 87.2761,
85.3024

41.6155, 73.8709,
42.3625

77.5722, 91.3153,
93.3782

■ 41.3394, 73.7517,
41.3005

■ 86.9827, 95.9861,
101.9728

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.



57.9686, 78.6483, 40.0656



51.7947, 78.6483, 64.0805



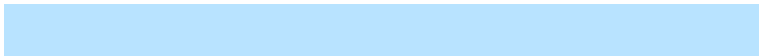
51.2693, 78.6483, 103.1840

Triad

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



51.7947, 78.6483, 64.0805



80.6527, 78.6483, 186.1055



96.6665, 78.6483, 43.3254

Complementary

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



51.7947, 78.6483, 64.0805



53.6711, 34.8132, 40.9376

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.



104.4942, 78.6483, 70.1973



51.7947, 78.6483, 64.0805



94.4994, 78.6483, 156.9108

Square

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



51.7947, 78.6483, 64.0805



66.7896, 78.6483, 182.8888



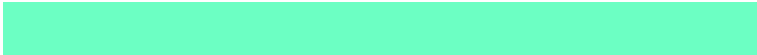
103.6547, 78.6483, 111.5496



83.3252, 78.6483, 30.9364

Rectangle

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



51.7947, 78.6483, 64.0805



54.0917, 78.6483, 134.0973



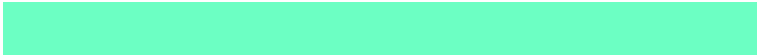
103.6547, 78.6483, 111.5496



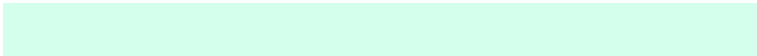
100.1010, 78.6483, 50.5308

Sweetspot

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



51.7954, 78.6486, 64.0818



78.1414, 91.5974, 93.9171



54.8834, 81.0658, 26.9431



16.3499, 19.4195, 19.7446



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.



51.7954, 78.6486, 64.0818



47.5550, 76.6110, 57.1813



56.2108, 74.3603, 105.9981



18.2227, 20.3486, 21.4759



21.6767, 38.5673, 21.9805



2.1648, 3.7769, 2.4259

Inverse Universe

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



53.6711, 34.8132, 40.9376



49.6146, 29.0892, 32.2208



50.6940, 35.8369, 18.4339



18.3167, 18.1100, 20.2849



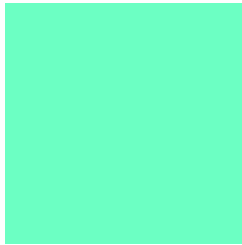
22.9261, 11.6597, 8.2613



2.2848, 1.1563, 1.0812

Previews

White Background



This preview shows how the XYZ color 51.7947, 78.6483, 64.0805 looks on a white background.

Color Contrast Check

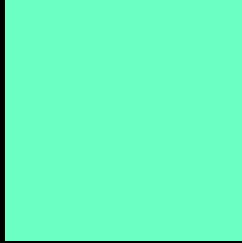
Large Text (above 18pt) WCAG AA × Fail

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 51.7947, 78.6483, 64.0805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

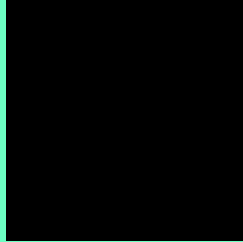
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7947, 78.6483, 64.0805

Background



This preview shows how black text looks on a background with the XYZ color 51.7947, 78.6483, 64.0805.



This preview shows how white text looks on a background with the XYZ color 51.7947, 78.6483,

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

51.7947, 78.6483, 64.0805

Protanopia

72.5305, 77.1928, 55.3329

Deuteranopia

77.9738, 76.9026, 69.1266



Tritanopia

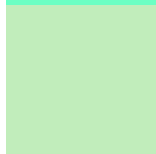
65.1464, 77.7557, 106.1825

Trichromacy



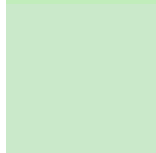
Original Color

51.7947, 78.6483, 64.0805



Protanomaly

61.2461, 75.4937, 58.3574



Deuteranomaly

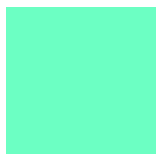
64.1567, 75.0987, 66.9912



Tritanomaly

59.2144, 77.2990, 88.8901

Monochromacy



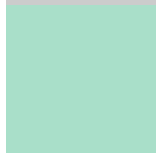
Original Color

51.7947, 78.6483, 64.0805



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.2925, 65.4274, 65.0783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7947, 78.6483, 64.0805 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(108, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 195)  
}
```

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(108, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 51.7947, 78.6483, 64.0805 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(108, 255, 195) }
```


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

```
.border{ border-color:rgb(108, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7947, 78.6483, 64.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 195) }
```

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

```
.background{ background-color: rgb(108,  
255, 195) }
```

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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