

Converting Colors

XYZ(51.0940, 78.3664, 60.4631)

Have a look what the booklet for
XYZ(51.0940, 78.3664, 60.4631)
contains.

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Color

**XYZ(51.1296, 78.3823,
60.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	6CFFBD
RGB	108, 255, 189
RGB Percent	42%, 100%, 74%
CMY	0.5765, 0.0000, 0.2588
CMYK	0.58, 0.00, 0.26, 0.00
HSL	153°, 100%, 71%
HSV	153°, 58%, 100%
XYZ	51.1296, 78.3823, 60.5786
YIQ	203.5230, -66.4260, -51.6900

Conversions

Conversions Part 2

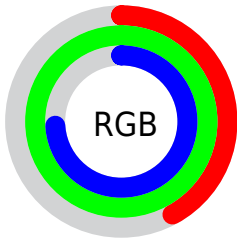
Format	Color
R _{YB}	108, 203, 255
Decimal	7143357
CIE Lab	90.95, -54.36, 19.91
CIE LCh	91, 57.896, 159.886
Yxy	78.3823, 0.2690, 0.4123
Android (android.graphics.Color)	4285333437 (0xFF6CFFBD)
YUV	203.5230, -7.1598, -83.7737
Hunter-Lab	88.5338, -51.8477, 21.4049

Details

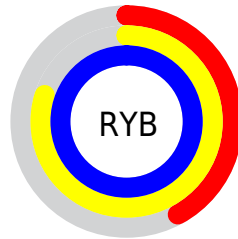
The XYZ color **51.1296, 78.3823, 60.5786** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.2429, 35.0417, 43.9495**, and the grayscale version is **57.1673, 60.1445, 65.4973**.

A 20% lighter version of the original color is **68.8190, 86.6586, 99.4858**, and **24.9351, 41.9889, 29.7121** is the 20% darker color. If you saturate the color by 10%, you get **47.2747, 76.5329, 54.1655**, and if you desaturate by 10%, it is **55.9906, 80.7388, 67.5535**.

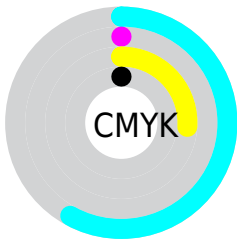
Distribution



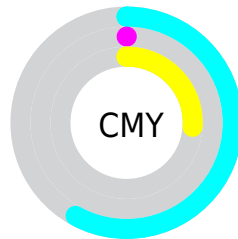
- Red (42%)
- Green (100%)
- Blue (74%)



- Red (42%)
- Yellow (80%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1296, 78.3823, 60.5786 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 51.1296, 78.3823, 60.5786 by changing the saturation by 10% instead.


 51.1296, 78.3823,
60.5786


 51.1296, 78.3823,
60.5786


381.4465,
489.4642, 444.5909


 36.5332, 58.3881,
43.4568


 91.0282, 131.0889,
107.2201

 25.0183, 42.1207,
29.9097


 117.0611,
164.5701, 137.5769

 16.2195, 29.1958,
19.5186


 147.6368,
203.3157, 173.1825

 9.7714, 19.2290,
11.8650

183.1209,
247.7101, 214.4554

 5.3088, 11.8359,
6.5304

223.8785,
298.1378, 261.8142

 2.4662, 6.6320,
3.0962

270.2751,

 0.8782, 3.2331,

354.9831, 315.6773

1.1440

322.6759,
418.6305, 376.4634

0.0000, 1.2546,
0.0000

0.0000, 0.1056,
0.0000

51.1296, 78.3823,
60.5786

51.1296, 78.3823,
60.5786

47.2747, 76.5329,
54.1655

55.9906, 80.7388,
67.5535

44.3400, 75.1470,
48.2946


61.9297, 83.6396,
75.1012


42.2279, 74.1742,
42.9505

69.0142, 87.1191,
83.2370

40.8088, 73.5482,
38.1143

77.3053, 91.2085,
91.9745

 40.5315, 73.4286,
37.0462

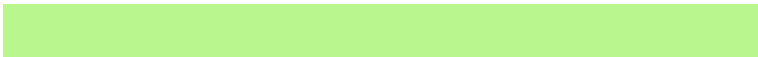
 86.8596, 95.9368,
101.3268

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.



57.9116, 78.3823, 37.3300



51.1296, 78.3823, 60.5786



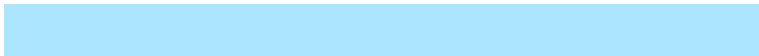
50.1285, 78.3823, 99.9035

Triad

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



51.1296, 78.3823, 60.5786



79.4237, 78.3823, 191.5559



98.1795, 78.3823, 43.4788

Complementary

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



51.1296, 78.3823, 60.5786



54.2429, 35.0417, 43.9495

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.



105.7136, 78.3823, 72.2744



51.1296, 78.3823, 60.5786



93.9875, 78.3823, 163.0793

Square

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



51.1296, 78.3823, 60.5786



65.2585, 78.3823, 185.2677



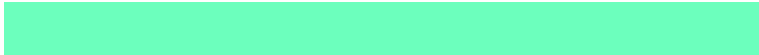
104.0866, 78.3823, 116.0807



84.5752, 78.3823, 29.9289

Rectangle

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



51.1296, 78.3823, 60.5786



52.7180, 78.3823, 131.9918



104.0866, 78.3823, 116.0807



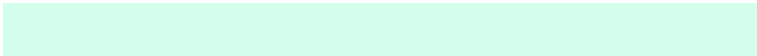
101.5816, 78.3823, 51.2303

Sweetspot

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



51.1302, 78.3825, 60.5799



77.8837, 91.4943, 92.5599



55.9563, 81.6189, 26.9930



16.2890, 19.3951, 19.4237



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.



51.1302, 78.3825, 60.5799



46.8254, 76.3191, 53.3391



57.6946, 77.3282, 106.4928



18.1905, 20.3357, 21.3060



21.2550, 38.3986, 19.7597



2.1246, 3.7608, 2.2140

Inverse Universe

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



54.2429, 35.0417, 43.9495



50.2152, 29.3294, 35.3834



50.1180, 34.6848, 18.2415



18.3484, 18.1227, 20.4516



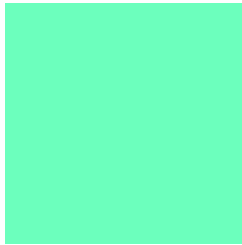
23.2231, 11.7785, 9.8253



2.3153, 1.1685, 1.2415

Previews

White Background



This preview shows how the XYZ color 51.1296, 78.3823, 60.5786 looks on a white background.

Color Contrast Check

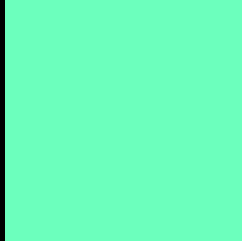
Large Text (above 18pt) WCAG AA × Fail

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 51.1296, 78.3823, 60.5786 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 51.1296, 78.3823, 60.5786

Background



This preview shows how black text looks on a background with the XYZ color 51.1296, 78.3823, 60.5786.



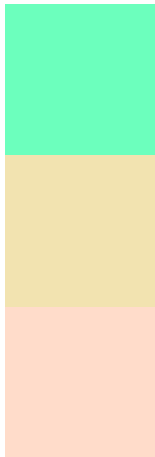
This preview shows how white text looks on a background with the XYZ color 51.1296, 78.3823,

60.5786.

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

51.1296, 78.3823, 60.5786

Protanopia

71.9235, 76.9500, 52.1364

Deuteranopia

77.4939, 76.7107, 66.5994



Tritanopia

64.9360, 77.6472, 106.1727

Trichromacy



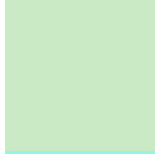
Original Color

51.1296, 78.3823, 60.5786



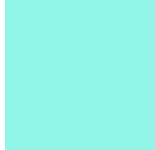
Protanomaly

60.6170, 75.2420, 55.0444



Deuteranomaly

63.5741, 74.8656, 63.9231



Tritanomaly

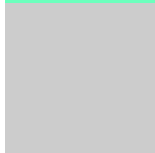
58.7533, 77.0941, 87.3853

Monochromacy



Original Color

51.1296, 78.3823, 60.5786



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.0587, 65.3339, 63.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1296, 78.3823, 60.5786 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 51.1296, 78.3823, 60.5786 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, 189) }
```


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

```
.border{ border-color:rgb(108, 255, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1296, 78.3823, 60.5786 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, 189) }
```

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

```
.background{ background-color: rgb(108,  
255, 189) }
```

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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