

Converting Colors

XYZ(50.7929, 78.2847, 57.1258)

Have a look what the booklet for
XYZ(50.7929, 78.2847, 57.1258)
contains.

XYZ(50.8628, 78.3184, 57.2360)	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(50.8628, 78.3184,
57.2360)**

Conversions

Conversions Part 1

Format	Color
Hex	6FFFB7
RGB	111, 255, 183
RGB Percent	44%, 100%, 72%
CMY	0.5647, 0.0000, 0.2823
CMYK	0.56, 0.00, 0.28, 0.00
HSL	150°, 100%, 72%
HSV	150°, 56%, 100%
XYZ	50.8628, 78.3184, 57.2360
YIQ	203.7360, -62.7120, -52.9200

Conversions

Conversions Part 2

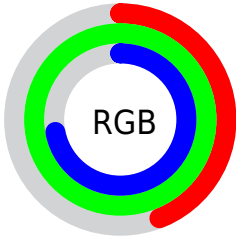
Format	Color
RYB	111, 207, 255
Decimal	7339959
CIELab	90.92, -54.95, 22.94
CIELCh	91, 59.545, 157.338
Yxy	78.3184, 0.2728, 0.4201
Android (android.graphics.Color)	4285530039 (0xFF6FFFB7)
YUV	203.7360, -10.2228, -81.3295
Hunter-Lab	88.4977, -52.2806, 23.6025

Details

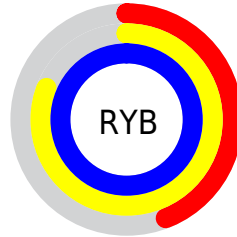
The XYZ color **50.8628, 78.3184, 57.2360** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.4721, 36.0485, 48.8345**, and the grayscale version is **57.3188, 60.3038, 65.6709**.

A 20% lighter version of the original color is **68.3532, 86.5227, 94.7593**, and **24.7948, 41.9563, 27.9106** is the 20% darker color. If you saturate the color by 10%, you get **46.8318, 76.3868, 50.4314**, and if you desaturate by 10%, it is **55.9309, 80.7707, 64.7193**.

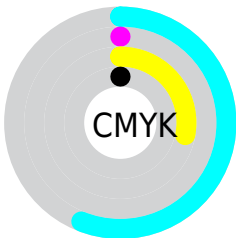
Distribution



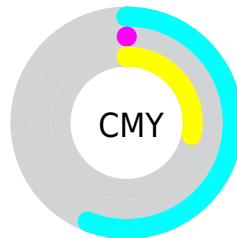
- Red (44%)
- Green (100%)
- Blue (72%)



- Red (44%)
- Yellow (81%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8628, 78.3184, 57.2360 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 50.8628, 78.3184, 57.2360 by changing the saturation by 10% instead.


 50.8628, 78.3184,
57.2360


 50.8628, 78.3184,
57.2360


380.4270,
489.2475, 431.8515


 36.3200, 58.3356,
40.7841


 90.6361, 130.9989,
102.3132

 24.8527, 42.0785,
27.8320


 116.5974,
164.4653, 131.7756

 16.0955, 29.1628,
17.9611


 147.0956,
203.1951, 166.4120

 9.6830, 19.2040,
10.7529

182.4959,
247.5725, 206.6408

 5.2500, 11.8178,
5.7889

223.1639,
297.9821, 252.8806

 2.4309, 6.6197,
2.6504

269.4648,

 0.8606, 3.2254,

354.8082, 305.5500

0.9183

321.7641,
418.4352, 365.0674

0.0000, 1.2505,
0.0000

0.0000, 0.1024,
0.0000

50.8628, 78.3184,
57.2360

50.8628, 78.3184,
57.2360

46.8318, 76.3868,
50.4314

55.9309, 80.7707,
64.7193

43.7525, 74.9323,
44.2812


62.1080, 83.7805,
72.8968


41.5282, 73.9054,
38.7647

69.4616, 87.3823,
81.7882

40.0378, 73.2441,
33.8582

78.0531, 91.6072,
91.4114

 39.6235, 73.0654,
32.2651

 87.9393, 96.4845,
101.7834

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.



58.2754, 78.3184, 35.0053



50.8628, 78.3184, 57.2360



49.3336, 78.3184, 96.2704

Triad

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



50.8628, 78.3184, 57.2360



78.1855, 78.3184, 196.2865



99.8159, 78.3184, 44.3356

Complementary

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



50.8628, 78.3184, 57.2360



55.4721, 36.0485, 48.8345

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.



106.8786, 78.3184, 75.1511



50.8628, 78.3184, 57.2360



93.3456, 78.3184, 169.2882

Square

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



50.8628, 78.3184, 57.2360



63.8669, 78.3184, 186.5114



104.3643, 78.3184, 121.2390



86.1185, 78.3184, 29.4937

Rectangle

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



50.8628, 78.3184, 57.2360



51.6385, 78.3184, 129.1295



104.3643, 78.3184, 121.2390



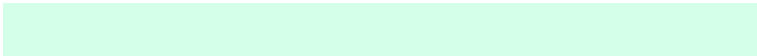
103.1231, 78.3184, 52.6788

Sweetspot

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



50.8635, 78.3187, 57.2373



77.5651, 91.3669, 90.8821



58.1582, 82.7352, 27.9441



16.2138, 19.3651, 19.0277



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.



50.8635, 78.3187, 57.2373



46.3010, 76.1343, 49.4481



60.3660, 82.1197, 107.2768



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2561



2.0783, 3.7423, 1.9704

Inverse Universe

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



55.4721, 36.0485, 48.8345



51.3230, 30.0727, 40.2916



49.7942, 33.7774, 18.9351



18.3882, 18.1386, 20.6613



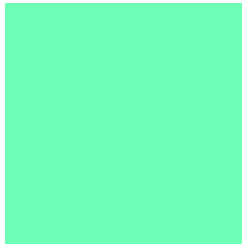
23.6428, 11.9464, 12.0355



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 50.8628, 78.3184, 57.2360 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 50.8628, 78.3184, 57.2360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

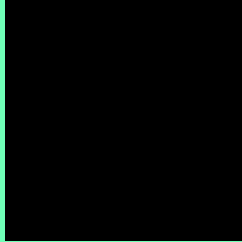
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8628, 78.3184, 57.2360

Background



This preview shows how black text looks on a background with the XYZ color 50.8628, 78.3184, 57.2360.



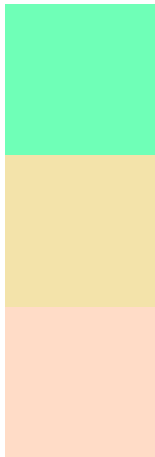
This preview shows how white text looks on a background with the XYZ color 50.8628, 78.3184,

57.2360.

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

50.8628, 78.3184, 57.2360

Protanopia

71.6869, 76.8951, 49.0941

Deuteranopia

77.1420, 76.5699, 64.7465



Tritanopia

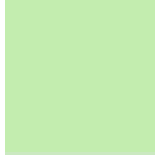
64.9360, 77.6472, 106.1727

Trichromacy



Original Color

50.8628, 78.3184, 57.2360



Protanomaly

60.5277, 75.2656, 51.8950



Deuteranomaly

63.3932, 74.8246, 61.5535



Tritanomaly

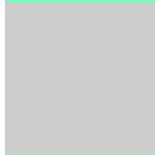
58.6493, 77.0730, 85.9142

Monochromacy



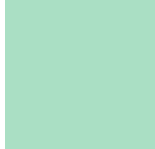
Original Color

50.8628, 78.3184, 57.2360



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.9290, 65.3069, 62.0404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8628, 78.3184, 57.2360 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(111, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 183)  
}
```

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(111, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 50.8628, 78.3184, 57.2360 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(111, 255, 183) }
```


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

```
.border{ border-color:rgb(111, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8628, 78.3184, 57.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 183) }
```

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

```
.background{ background-color: rgb(111,  
255, 183) }
```

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