

Converting Colors

XYZ(50.1994, 64.6668, 81.7873)

Have a look what the booklet for
XYZ(50.1994, 64.6668, 81.7873)
contains.

XYZ(50.1297, 64.6295, 81.7841)	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(50.1297, 64.6295,
81.7841)**

Conversions

Conversions Part 1

Format	Color
Hex	82E2E2
RGB	130, 226, 226
RGB Percent	51%, 89%, 89%
CMY	0.4902, 0.1137, 0.1137
CMYK	0.42, 0.00, 0.00, 0.11
HSL	180°, 62%, 70%
HSV	180°, 42%, 89%
XYZ	50.1297, 64.6295, 81.7841
YIQ	197.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

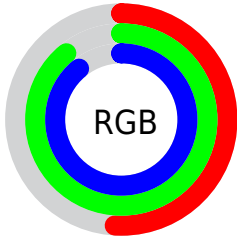
Format	Color
RYB	130, 178, 226
Decimal	8577762
CIELab	84.29, -28.32, -8.88
CIELCh	84, 29.680, 197.418
Yxy	64.6295, 0.2551, 0.3288
Android (android.graphics.Color)	4286767842 (0xFF82E2E2)
YUV	197.2960, 14.1511, -59.0186
Hunter-Lab	80.3925, -29.3810, -4.0416

Details

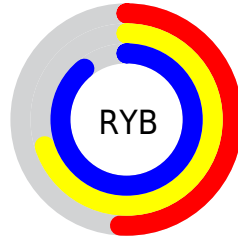
The XYZ color **50.1297, 64.6295, 81.7841** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3781, 33.7476, 25.3490**, and the grayscale version is **53.1933, 55.9634, 60.9442**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **24.3979, 33.0674, 43.6248** is the 20% darker color. If you saturate the color by 10%, you get **47.0371, 63.0367, 81.6404**, and if you desaturate by 10%, it is **53.9875, 66.6198, 81.9665**.

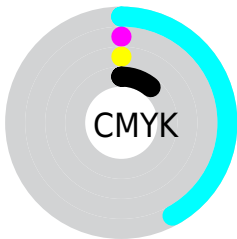
Distribution



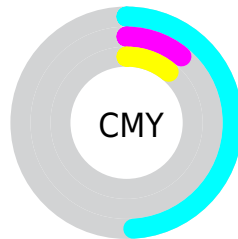
- Red (51%)
- Green (89%)
- Blue (89%)



- Red (51%)
- Yellow (70%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1297, 64.6295, 81.7841 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 50.1297, 64.6295, 81.7841 by changing the saturation by 10% instead.

50.1297, 64.6295,
81.7841

50.1297, 64.6295,
81.7841

377.6165,
441.4594, 520.7897

35.7347, 47.1607,
60.6528

89.5577, 111.5170,
137.7052

24.3985, 33.1627,
43.5163

115.3214,
141.7046, 173.3320

15.7558, 22.2511,
29.9560

145.6053,
176.9005, 214.6278

9.4413, 14.0415,
19.5534

180.7749,
217.4891, 262.0111

5.0895, 8.1496,
11.8900

221.1955,
263.8550, 315.9003

2.3352, 4.1908,
6.5472

267.2323,

0.8126, 1.7809,

316.3823, 376.7142

3.1065

319.2509,
375.4557, 444.8711

■ 0.0000, 0.4752,
1.1492

■ 0.0000, 0.0000,
0.0000

■ 50.1297, 64.6295,
81.7841

■ 50.1297, 64.6295,
81.7841

■ 47.0371, 63.0367,
81.6404

■ 53.9875, 66.6198,
81.9665

■ 44.6534, 61.8079,
81.5284

■ 58.6504, 69.0236,
82.1851

■ 42.9242, 60.9165,
81.4471

■ 64.1627, 71.8653,
82.4434

■ 41.7845, 60.3290,
81.3934

■ 70.5635, 75.1650,
82.7434

■ 41.1559, 60.0049,
81.3636

■ 77.8897, 78.9418,
83.0866

■ 40.9246, 59.8857,
81.3524

■ 82.1655, 81.1461,
83.2872

■ 82.1656, 81.1461,
83.2876

■ 82.1657, 81.1461,
83.2880

■ 82.1658, 81.1462,
83.2884

Harmonies

Analogous

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



49.8888, 64.6295, 62.7685



50.1297, 64.6295, 81.7841



53.2588, 64.6295, 100.5651

Triad

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



50.1297, 64.6295, 81.7841



71.2234, 64.6295, 97.8471



64.2260, 64.6295, 40.5987

Complementary

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



50.1297, 64.6295, 81.7841



43.3781, 33.7476, 25.3490

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.



70.3935, 64.6295, 46.9198



50.1297, 64.6295, 81.7841



74.6229, 64.6295, 78.5629

Square

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



50.1297, 64.6295, 81.7841



65.2941, 64.6295, 110.9160



74.3088, 64.6295, 60.0716



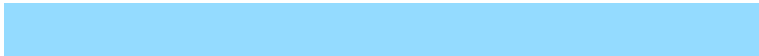
57.7183, 64.6295, 41.1496

Rectangle

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



50.1297, 64.6295, 81.7841



56.6968, 64.6295, 109.4105



74.3088, 64.6295, 60.0716



66.4162, 64.6295, 41.9354

Sweetspot

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



50.1316, 64.6320, 81.7856



83.8881, 94.2459, 108.3770



40.6808, 60.8803, 30.7275



17.5930, 19.9856, 23.1801



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.



50.1316, 64.6320, 81.7856



62.2596, 83.0960, 107.3628



39.1759, 42.7202, 78.1353



14.1166, 15.5724, 17.6493



23.3466, 34.1635, 46.4098



1.6183, 2.3680, 3.2169

Inverse Universe

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



43.3781, 33.7476, 25.3490



52.2660, 37.3940, 23.8494



50.9994, 48.9905, 27.8887



13.7073, 13.7006, 14.2289



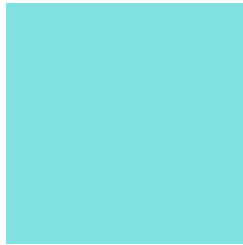
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 50.1297, 64.6295, 81.7841 looks on a white background.

Color Contrast Check

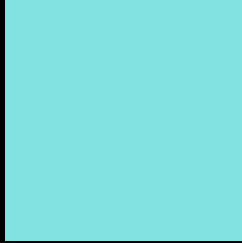
Large Text (above 18pt) WCAG AA × Fail

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 50.1297, 64.6295, 81.7841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

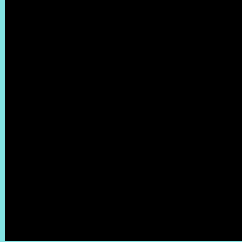
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1297, 64.6295, 81.7841

Background



This preview shows how black text looks on a background with the XYZ color 50.1297, 64.6295, 81.7841.



This preview shows how white text looks on a background with the XYZ color 50.1297, 64.6295,

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

50.1297, 64.6295, 81.7841

Protanopia

61.6856, 63.8669, 73.3663

Deuteranopia

64.9932, 63.5415, 84.4405



Tritanopia

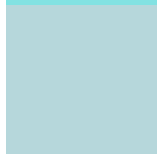
52.6743, 64.8730, 93.7499

Trichromacy



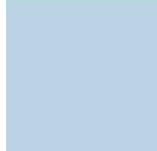
Original Color

50.1297, 64.6295, 81.7841



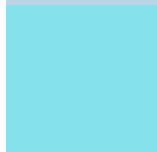
Protanomaly

56.3780, 63.6604, 76.3341



Deuteranomaly

57.9306, 62.8105, 83.1991



Tritanomaly

51.7384, 64.8931, 89.1556

Monochromacy



Original Color

50.1297, 64.6295, 81.7841



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.1746, 58.5501, 68.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1297, 64.6295, 81.7841 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(130, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(130, 226, 226)  
}
```

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(130, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.1297, 64.6295, 81.7841 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(130, 226, 226) }
```


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

```
.border{ border-color:rgb(130, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(130, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1297, 64.6295, 81.7841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 226, 226) }
```

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

```
.background{ background-color: rgb(130,  
226, 226) }
```

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