

Converting Colors

XYZ(45.4224, 57.8611, 64.2861)

Have a look what the booklet for
XYZ(45.4224, 57.8611, 64.2861)
contains.

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Color

**XYZ(45.4044, 57.8856,
64.0383)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD6C9
RGB	140, 214, 201
RGB Percent	55%, 84%, 79%
CMY	0.4510, 0.1608, 0.2118
CMYK	0.35, 0.00, 0.06, 0.16
HSL	169°, 47%, 69%
HSV	169°, 35%, 84%
XYZ	45.4044, 57.8856, 64.0383
YIQ	190.3920, -39.9310, -19.7310

Conversions

Conversions Part 2

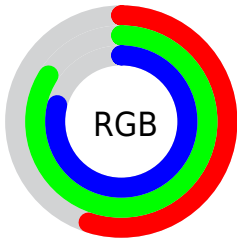
Format	Color
RYB	140, 181, 214
Decimal	9230025
CIELab	80.68, -25.84, -0.89
CIELCh	81, 25.857, 181.964
Yxy	57.8856, 0.2713, 0.3459
Android (android.graphics.Color)	4287420105 (0xFF8CD6C9)
YUV	190.3920, 5.2297, -44.1938
Hunter-Lab	76.0826, -26.6197, 3.3537

Details

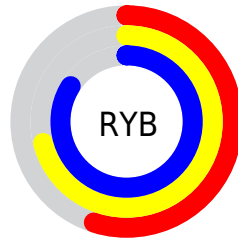
The XYZ color **45.4044, 57.8856, 64.0383** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.8614, 35.3538, 34.7042**, and the grayscale version is **49.1581, 51.7182, 56.3211**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **21.5023, 28.8813, 32.0451** is the 20% darker color. If you saturate the color by 10%, you get **41.7066, 56.0313, 61.5854**, and if you desaturate by 10%, it is **49.8176, 60.1104, 66.5837**.

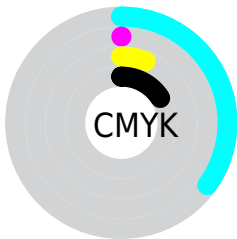
Distribution



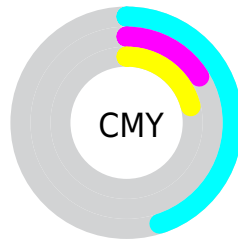
- Red (55%)
- Green (84%)
- Blue (79%)



- Red (55%)
- Yellow (71%)
- Blue (84%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (45%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4044, 57.8856, 64.0383 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 45.4044, 57.8856, 64.0383 by changing the saturation by 10% instead.

 45.4044, 57.8856,
64.0383


 45.4044, 57.8856,
64.0383


359.1651,
416.7595, 457.5392

 31.9787, 41.7167,
46.2353


 82.5603, 101.7562,
112.2661

 21.5007, 28.8795,
32.0815


 107.0211,
130.2268, 143.5280

 13.6050, 18.9897,
21.1585


135.8911,
163.5666, 180.1132

 7.9263, 11.6628,
13.0475

169.5356,
202.1602, 222.4404

 4.0993, 6.5145,
7.3302

208.3199,
246.3919, 270.9281

 1.7584, 3.1604,
3.5879

252.6093,

 0.4924, 1.2160,

296.6460, 325.9947

1.4021

302.7693,
353.3071, 388.0589

■ 0.0000, 0.0747,
0.1433

■ 0.0000, 0.0000,
0.0000

■ 45.4044, 57.8856,
64.0383

■ 45.4044, 57.8856,
64.0383

■ 41.7066, 56.0313,
61.5854

■ 49.8176, 60.1104,
66.5837

■ 38.6783, 54.5194,
59.2187

■ 54.9788, 62.7181,
69.2198

■ 36.2761, 53.3290,
56.9371

■ 60.9247, 65.7290,
71.9499

■ 34.4493, 52.4340,
54.7377

■ 67.6878, 69.1600,
74.7760

■ 33.1390, 51.8042,
52.6174

■ 75.2991, 73.0270,
77.6999

■ 32.2739, 51.4025,
50.5725

■ 78.6828, 74.7132,
80.4844

■ 31.9239, 51.2456,
49.4921

■ 79.1973, 74.9190,
83.1934

■ 79.7231, 75.1293,
85.9622

■ 80.2603, 75.3442,
88.7911

Harmonies

Analogous

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



46.4646, 57.8856, 50.2218



45.4044, 57.8856, 64.0383



46.7790, 57.8856, 79.8656

Triad

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



45.4044, 57.8856, 64.0383



60.6205, 57.8856, 91.3306



59.9742, 57.8856, 40.5209

Complementary

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



45.4044, 57.8856, 64.0383



42.8614, 35.3538, 34.7042

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.



64.1729, 57.8856, 48.7400



45.4044, 57.8856, 64.0383



64.5626, 57.8856, 77.8438

Square

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



45.4044, 57.8856, 64.0383



55.3703, 57.8856, 97.1217



65.9022, 57.8856, 62.0275



54.6682, 57.8856, 38.0230

Rectangle

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



45.4044, 57.8856, 64.0383



48.9462, 57.8856, 89.0677



65.9022, 57.8856, 62.0275



61.5734, 57.8856, 42.6329

Sweetspot

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



45.4061, 57.8879, 64.0396



85.5698, 95.1952, 104.7347



42.0261, 56.8165, 33.5638



18.0513, 20.2420, 22.2947



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.



45.4061, 57.8879, 64.0396



63.6527, 84.1396, 92.7234



41.4910, 47.5054, 70.6036



12.6942, 14.0687, 15.4699



19.3297, 30.9872, 30.0957



1.1910, 1.8791, 1.9477

Inverse Universe

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



42.8614, 35.3538, 34.7042



59.3628, 46.0744, 43.2121



45.6414, 42.5400, 30.6175



12.5114, 12.4561, 13.3675



16.9965, 8.7349, 2.0198



1.0527, 0.5379, 0.2671

Previews

White Background



This preview shows how the XYZ color 45.4044, 57.8856, 64.0383 looks on a white background.

Color Contrast Check

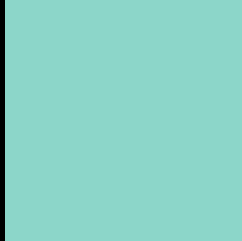
Large Text (above 18pt) WCAG AA × Fail

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 45.4044, 57.8856, 64.0383 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

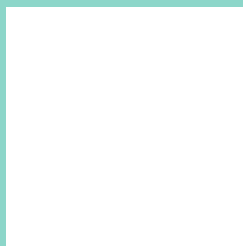
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4044, 57.8856, 64.0383

Background



This preview shows how black text looks on a background with the XYZ color 45.4044, 57.8856, 64.0383.

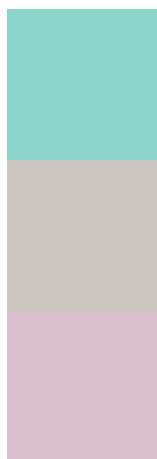


This preview shows how white text looks on a background with the XYZ color 45.4044, 57.8856,

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

45.4044, 57.8856, 64.0383

Protanopia

54.8853, 57.1731, 58.0119

Deuteranopia

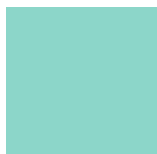
58.4083, 57.1466, 65.7096



Tritanopia

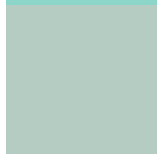
48.7658, 57.7502, 81.2497

Trichromacy



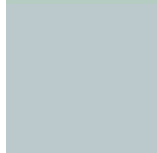
Original Color

45.4044, 57.8856, 64.0383



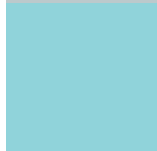
Protanomaly

50.4992, 56.9496, 59.9605



Deuteranomaly

52.5248, 56.8243, 65.3266



Tritanomaly

47.4508, 57.5798, 74.9428

Monochromacy



Original Color

45.4044, 57.8856, 64.0383



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.1743, 53.5125, 58.8815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4044, 57.8856, 64.0383 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(140, 214, 201)` looks like.

```
.text, #text, p{  
    color:rgb(140, 214, 201)  
}
```

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(140, 214, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 214, 201) }
```

Border

The CSS property to change the border of an element to XYZ 45.4044, 57.8856, 64.0383 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(140, 214, 201) }
```


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

```
.border{ border-color:rgb(140, 214, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 214, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 214, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 214, 201);  
box-shadow:4px 4px 4px 4px rgb(140, 214,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4044, 57.8856, 64.0383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 214, 201) }
```

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

```
.background{ background-color: rgb(140,  
214, 201) }
```

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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