

Converting Colors

XYZ(45.4254, 57.0333, 71.3458)

Have a look what the booklet for
XYZ(45.4254, 57.0333, 71.3458)
contains.

XYZ(45.3852, 56.9594, 71.5530)	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(45.3852, 56.9594,
71.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	86D4D5
RGB	134, 212, 213
RGB Percent	53%, 83%, 84%
CMY	0.4745, 0.1686, 0.1647
CMYK	0.37, 0.00, 0.00, 0.16
HSL	181°, 48%, 68%
HSV	181°, 37%, 84%
XYZ	45.3852, 56.9594, 71.5530
YIQ	188.7920, -46.8090, -16.2250

Conversions

Conversions Part 2

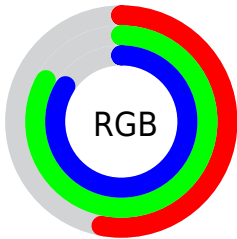
Format	Color
RYB	134, 173, 213
Decimal	8836309
CIELab	80.16, -23.66, -8.09
CIELCh	80, 25.008, 198.883
Yxy	56.9594, 0.2610, 0.3275
Android (android.graphics.Color)	4287026389 (0xFF86D4D5)
YUV	188.7920, 11.9345, -48.0526
Hunter-Lab	75.4715, -24.7330, -3.3817

Details

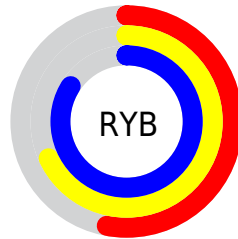
The XYZ color **45.3852, 56.9594, 71.5530** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.4084, 33.1958, 26.8331**, and the grayscale version is **48.2054, 50.7159, 55.2296**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **21.4530, 28.2448, 36.6689** is the 20% darker color. If you saturate the color by 10%, you get **42.2596, 55.2497, 71.3887**, and if you desaturate by 10%, it is **49.1980, 59.0263, 71.7520**.

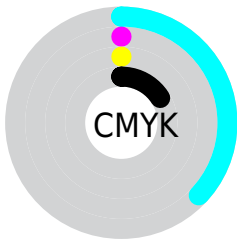
Distribution



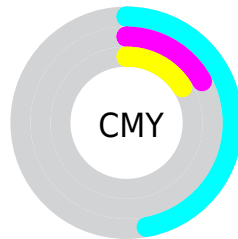
- Red (53%)
- Green (83%)
- Blue (84%)



- Red (53%)
- Yellow (68%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3852, 56.9594, 71.5530 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 45.3852, 56.9594, 71.5530 by changing the saturation by 10% instead.


 45.3852, 56.9594,
71.5530


 45.3852, 56.9594,
71.5530


359.0889,
413.2972, 484.9199


 31.9635, 40.9726,
52.3090


 82.5317, 100.4059,
123.1226

 21.4890, 28.2977,
36.8675


 106.9871,
128.6345, 156.2853

 13.5964, 18.5502,
24.8099


 135.8513,
161.7125, 194.9246

 7.9203, 11.3457,
15.7178


169.4894,
200.0243, 239.4591

 4.0954, 6.2999,
9.1725

208.2668,
243.9542, 290.3074

 1.7562, 3.0283,
4.7555

252.5490,

 0.4911, 1.1465,

293.8868, 347.8879

2.0483

302.7012,
350.2063, 412.6192

■ 0.0000, 0.0174,
0.5848

■ 0.0000, 0.0000,
0.0000

■ 45.3852, 56.9594,
71.5530

■ 45.3852, 56.9594,
71.5530

■ 42.2596, 55.2497,
71.3887

■ 49.1980, 59.0263,
71.7520

■ 39.7748, 53.8692,
71.2532

■ 53.7308, 61.4631,
71.9834

■ 37.8868, 52.7965,
71.1457

■ 59.0204, 64.2902,
72.2503

■ 36.5439, 52.0050,
71.0637

■ 65.0995, 67.5245,
72.5542

■ 35.6854, 51.4633,
71.0044

■ 71.9990, 71.1819,
72.8965

■ 35.2310, 51.1302,
70.9640

■ 77.2004, 73.9640,
73.1594

■ 35.1340, 51.0514,
70.9539

■ 77.2683, 74.1000,
73.1820

■ 77.3364, 74.2362,
73.2047

■ 77.4046, 74.3726,
73.2274

Harmonies

Analogous

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



45.0804, 56.9594, 56.7637



45.3852, 56.9594, 71.5530



47.9463, 56.9594, 85.6568

Triad

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



45.3852, 56.9594, 71.5530



61.8617, 56.9594, 82.3661



56.0497, 56.9594, 38.3551

Complementary

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



45.3852, 56.9594, 71.5530



40.4084, 33.1958, 26.8331

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.



60.8415, 56.9594, 43.1870



45.3852, 56.9594, 71.5530



64.3346, 56.9594, 67.5893

Square

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



45.3852, 56.9594, 71.5530



57.3721, 56.9594, 92.5446



63.9499, 56.9594, 53.3721



51.0281, 56.9594, 39.0738

Rectangle

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



45.3852, 56.9594, 71.5530



50.6839, 56.9594, 92.0570



63.9499, 56.9594, 53.3721



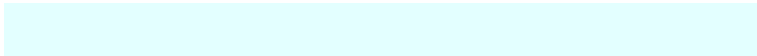
57.7460, 56.9594, 39.3494

Sweetspot

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



45.3869, 56.9617, 71.5543



85.3599, 94.8370, 108.4142



37.9299, 54.3791, 31.0525



18.0365, 20.1740, 23.1933



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.



45.3869, 56.9617, 71.5543



64.2068, 83.4161, 107.3246



36.8825, 39.9529, 68.7195



12.7781, 14.0797, 15.9817



21.4672, 31.1962, 43.3432



1.2992, 1.8904, 2.6157

Inverse Universe

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



47.8507, 35.9511, 66.7071



68.4722, 47.2163, 98.8941



46.7844, 45.9478, 28.9584



12.9460, 12.6299, 15.6557



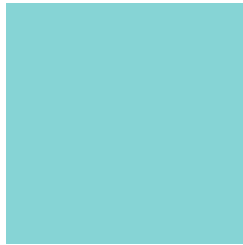
23.8945, 11.4941, 38.3441



1.4434, 0.6942, 2.3245

Previews

White Background



This preview shows how the XYZ color 45.3852, 56.9594, 71.5530 looks on a white background.

Color Contrast Check

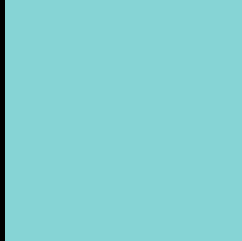
Large Text (above 18pt) WCAG AA × Fail

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 45.3852, 56.9594, 71.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

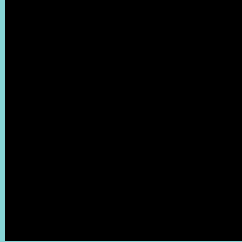
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3852, 56.9594, 71.5530

Background



This preview shows how black text looks on a background with the XYZ color 45.3852, 56.9594, 71.5530.

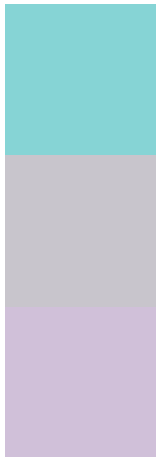


This preview shows how white text looks on a background with the XYZ color 45.3852, 56.9594,

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

45.3852, 56.9594, 71.5530

Protanopia

54.6848, 56.5715, 65.1639

Deuteranopia

57.3864, 56.1189, 73.4531



Tritanopia

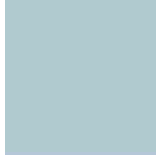
47.3930, 57.0425, 81.1855

Trichromacy



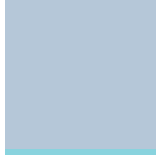
Original Color

45.3852, 56.9594, 71.5530



Protanomaly

50.2875, 55.9762, 67.1855



Deuteranomaly

51.8741, 55.6285, 72.9691



Tritanomaly

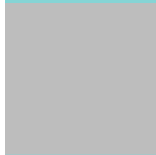
46.7956, 57.1808, 77.6779

Monochromacy



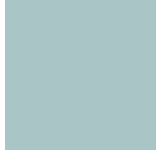
Original Color

45.3852, 56.9594, 71.5530



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.5215, 52.4447, 61.0970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3852, 56.9594, 71.5530 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(134, 212, 213)` looks like.

```
.text, #text, p{  
    color:rgb(134, 212, 213)  
}
```

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(134, 212, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 212, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.3852, 56.9594, 71.5530 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(134, 212, 213) }
```


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

```
.border{ border-color:rgb(134, 212, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 212, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 212, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 212, 213);  
box-shadow:4px 4px 4px 4px rgb(134, 212,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3852, 56.9594, 71.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 212, 213) }
```

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

```
.background{ background-color: rgb(134,  
212, 213) }
```

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