

Converting Colors

XYZ(39.6509, 52.8399, 57.3969)

Have a look what the booklet for
XYZ(39.6509, 52.8399, 57.3969)
contains.

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Color

**XYZ(39.7056, 52.8664,
57.4017)**

Conversions

Conversions Part 1

Format	Color
Hex	78D0BF
RGB	120, 208, 191
RGB Percent	47%, 82%, 75%
CMY	0.5294, 0.1843, 0.2510
CMYK	0.42, 0.00, 0.08, 0.18
HSL	168°, 48%, 64%
HSV	168°, 42%, 82%
XYZ	39.7056, 52.8664, 57.4017
YIQ	179.7500, -46.9910, -23.9430

Conversions

Conversions Part 2

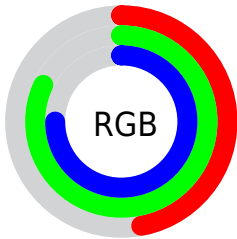
Format	Color
RYB	120, 169, 208
Decimal	7917759
CIELab	77.80, -30.52, 0.15
CIELCh	78, 30.521, 179.717
Yxy	52.8664, 0.2648, 0.3525
Android (android.graphics.Color)	4286107839 (0xFF78D0BF)
YUV	179.7500, 5.5462, -52.4008
Hunter-Lab	72.7093, -29.7647, 4.0889

Details

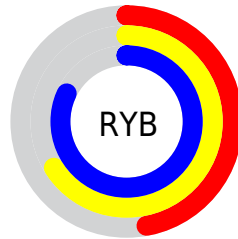
The XYZ color **39.7056, 52.8664, 57.4017** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.2461, 28.6505, 27.2361**, and the grayscale version is **43.2389, 45.4907, 49.5394**.

A 20% lighter version of the original color is **70.4530, 87.4655, 101.1650**, and **18.0930, 25.7074, 28.0532** is the 20% darker color. If you saturate the color by 10%, you get **36.6924, 51.3648, 54.9845**, and if you desaturate by 10%, it is **43.3606, 54.7001, 59.9146**.

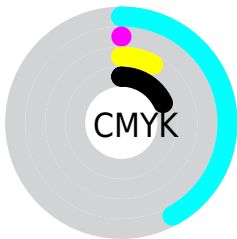
Distribution



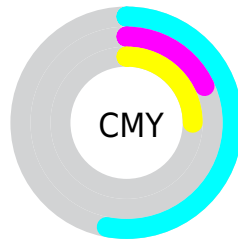
- Red (47%)
- Green (82%)
- Blue (75%)



- Red (47%)
- Yellow (66%)
- Blue (82%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)





- Cyan (53%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7056, 52.8664, 57.4017 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 39.7056, 52.8664, 57.4017 by changing the saturation by 10% instead.


 39.7056, 52.8664,
57.4017


 39.7056, 52.8664,
57.4017


336.0369,
397.7723, 432.4887

 27.4923, 37.6961,
40.9163


 74.0022, 94.4077,
102.5572

 18.0818, 25.7469,
27.9345


 96.8162, 121.5476,
132.0645

 11.1088, 16.6344,
18.0377


 123.8944,
153.4461, 166.7494

 6.2079, 9.9742,
10.8073

155.6023,
190.4877, 207.0306

 3.0137, 5.3818,
5.8249

192.3051,
233.0567, 253.3266

 1.1610, 2.4730,
2.6718

234.3682,

 0.0753, 0.8631,

281.5376, 306.0559

0.9292

282.1570,
336.3146, 365.6371

■ 0.0000, 0.0000,
0.0000

■ 39.7056, 52.8664,
57.4017

■ 39.7056, 52.8664,
57.4017

■ 36.6924, 51.3648,
54.9845

■ 43.3606, 54.7001,
59.9146

■ 34.2752, 50.1677,
52.6569

■ 47.6901, 56.8789,
62.5218

■ 32.4098, 49.2537,
50.4175


■ 52.7302, 59.4225,
65.2265


■ 31.0433, 48.5955,
48.2633


■ 58.5131, 62.3476,
68.0309


■ 30.1124, 48.1605,
46.1908


■ 65.0687, 65.6696,
70.9367

 29.6075, 47.9338,
44.6477

 72.4256, 69.4032,
73.9458

 76.6004, 71.4950,
76.8722

 77.1365, 71.7094,
79.6950

 77.6854, 71.9290,
82.5856

Harmonies

Analogous

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



41.0476, 52.8664, 42.6422



39.7056, 52.8664, 57.4017



40.9985, 52.8664, 75.2772

Triad

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



39.7056, 52.8664, 57.4017



56.1029, 52.8664, 90.7604



56.2077, 52.8664, 33.7561

Complementary

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



39.7056, 52.8664, 57.4017



37.2461, 28.6505, 27.2361

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.



60.7934, 52.8664, 42.8709



39.7056, 52.8664, 57.4017



60.7296, 52.8664, 75.6111

Square

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



39.7056, 52.8664, 57.4017



50.1917, 52.8664, 96.6911



62.5084, 52.8664, 57.7236



50.3042, 52.8664, 30.7355

Rectangle

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



39.7056, 52.8664, 57.4017



43.2434, 52.8664, 86.1764



62.5084, 52.8664, 57.7236



57.9707, 52.8664, 36.1077

Sweetspot

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



39.7071, 52.8685, 57.4029



82.8741, 93.8402, 103.0369



36.3629, 51.8392, 25.8599



17.3398, 19.8843, 21.8469



0.0000, 0.0000, 0.0000



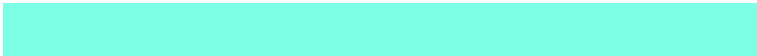
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7071, 52.8685, 57.4029



58.4753, 81.5823, 87.4348



35.7787, 41.8413, 65.8673



12.0564, 13.3663, 14.6531



18.4866, 29.8876, 28.0065



1.0594, 1.6814, 1.7015

Inverse Universe

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



37.2461, 28.6505, 27.2361



54.0785, 38.1190, 33.3939



39.7450, 35.4490, 22.5180



11.9008, 11.8450, 12.7532



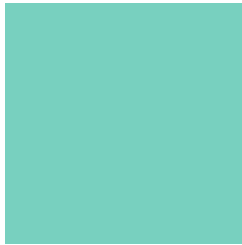
16.4802, 8.4649, 2.1689



0.9497, 0.4846, 0.2698

Previews

White Background



This preview shows how the XYZ color 39.7056, 52.8664, 57.4017 looks on a white background.

Color Contrast Check

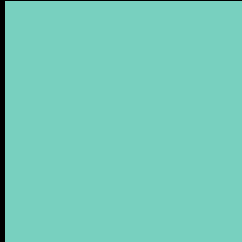
Large Text (above 18pt) WCAG AA × Fail

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 39.7056, 52.8664, 57.4017 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

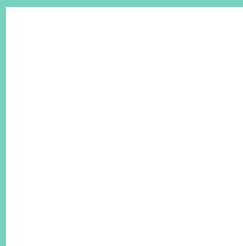
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7056, 52.8664, 57.4017

Background



This preview shows how black text looks on a background with the XYZ color 39.7056, 52.8664, 57.4017.

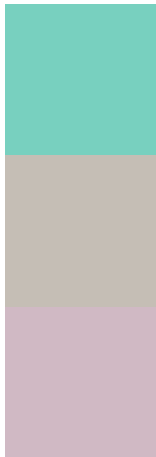


This preview shows how white text looks on a background with the XYZ color 39.7056, 52.8664,

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

39.7056, 52.8664, 57.4017

Protanopia

49.7799, 52.0334, 51.1358

Deuteranopia

53.3252, 52.0933, 59.4690



Tritanopia

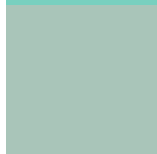
43.4132, 52.9422, 75.6409

Trichromacy



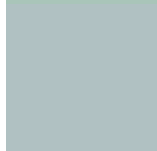
Original Color

39.7056, 52.8664, 57.4017



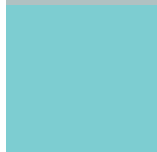
Protanomaly

45.0854, 51.8703, 53.5347



Deuteranomaly

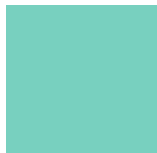
46.7121, 51.2651, 58.4721



Tritanomaly

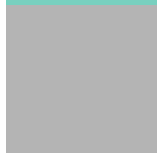
41.7974, 52.6261, 68.2765

Monochromacy



Original Color

39.7056, 52.8664, 57.4017



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.1657, 47.5567, 52.3571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7056, 52.8664, 57.4017 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(120, 208, 191)` looks like.

```
.text, #text, p{  
    color:rgb(120, 208, 191)  
}
```

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(120, 208, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 208, 191) }
```

Border

The CSS property to change the border of an element to XYZ 39.7056, 52.8664, 57.4017 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(120, 208, 191) }
```


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

```
.border{ border-color:rgb(120, 208, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 208, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 208, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 208, 191); box-shadow:4px 4px 4px 4px rgb(120, 208, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7056, 52.8664, 57.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 208, 191) }
```

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

```
.background{ background-color: rgb(120,  
208, 191) }
```

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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