

Converting Colors

XYZ(35.7219, 52.0923, 67.1391)

Have a look what the booklet for
XYZ(35.7219, 52.0923, 67.1391)
contains.

XYZ(35.7204, 52.0634, 67.1981)	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(35.7204, 52.0634,
67.1981)**

Conversions

Conversions Part 1

Format	Color
Hex	29D4CF
RGB	41, 212, 207
RGB Percent	16%, 83%, 81%
CMY	0.8392, 0.1686, 0.1882
CMYK	0.81, 0.00, 0.02, 0.17
HSL	178°, 68%, 50%
HSV	178°, 81%, 83%
XYZ	35.7204, 52.0634, 67.1981
YIQ	160.3010, -100.3110, -37.8070

Conversions

Conversions Part 2

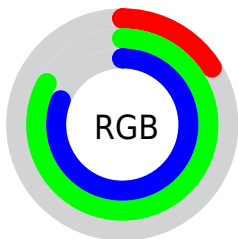
Format	Color
R _Y B	41, 128, 212
Decimal	2741455
CIE Lab	77.32, -41.41, -9.39
CIE LCh	77, 42.462, 192.769
Yxy	52.0634, 0.2305, 0.3359
Android (android.graphics.Color)	4280931535 (0xFF29D4CF)
YUV	160.3010, 23.0226, -104.6270
Hunter-Lab	72.1550, -37.9046, -4.7084

Details

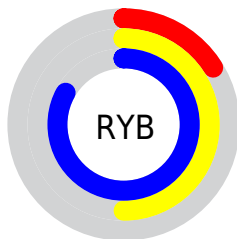
The XYZ color **35.7204, 52.0634, 67.1981** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.4392, 15.7817, 4.1336**, and the grayscale version is **33.4852, 35.2290, 38.3644**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **17.8067, 26.4138, 34.2969** is the 20% darker color. If you saturate the color by 10%, you get **35.0160, 51.7102, 66.7713**, and if you desaturate by 10%, it is **36.8830, 52.6551, 67.6503**.

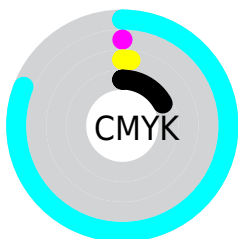
Distribution



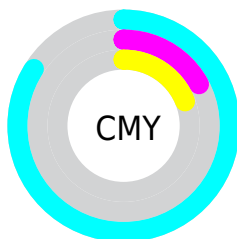
- Red (16%)
- Green (83%)
- Blue (81%)



- Red (16%)
- Yellow (50%)
- Blue (83%)



- Cyan (81%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)





- Cyan (84%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7204, 52.0634, 67.1981 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 35.7204, 52.0634, 67.1981 by changing the saturation by 10% instead.


 35.7204, 52.0634,
67.1981


 35.7204, 52.0634,
67.1981


319.1894,
394.6813, 469.1703


 24.3874, 37.0556,
48.7830


 67.9270, 93.2247,
116.8476


 15.7476, 25.2506,
34.0830


 89.5313, 120.1471,
148.9190


 9.4354, 16.2638,
22.6795


 115.2902,
151.8097, 186.3797

 5.0856, 9.7110,
14.1540

 145.5689,
188.5971, 229.6482

 2.3329, 5.2078,
8.0879

 180.7328,
230.8935, 279.1429

 0.8114, 2.3697,
4.0626

221.1473,

 0.0000, 0.8102,

279.0834, 335.2825

1.6598

267.1777,
333.5512, 398.4854

■ 0.0000, 0.0000,
0.3329

■ 0.0000, 0.0000,
0.0000

■ 35.7204, 52.0634,
67.1981

■ 35.7204, 52.0634,
67.1981

■ 35.0160, 51.7102,
66.7713

■ 36.8830, 52.6551,
67.6503

■ 34.6608, 51.5352,
66.3869

■ 38.5632, 53.5125,
68.1271

■ 40.8163, 54.6652,
68.6322

■ 43.6896, 56.1375,
69.1680

■ 47.2252, 57.9513,
69.7363

■ 51.4617, 60.1263,
70.3389

■ 56.4347, 62.6810,
70.9776

■ 62.1774, 65.6324,
71.6539

■ 68.7208, 68.9966,
72.3692

Harmonies

Analogous

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



35.9751, 52.0634, 44.4056



35.7204, 52.0634, 67.1981



38.8489, 52.0634, 92.9530

Triad

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



35.7204, 52.0634, 67.1981



60.9074, 52.0634, 96.4309



54.2736, 52.0634, 23.7183

Complementary

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



35.7204, 52.0634, 67.1981



28.4392, 15.7817, 4.1336

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.



61.9035, 52.0634, 31.3468



35.7204, 52.0634, 67.1981



66.0127, 52.0634, 71.0495

Square

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



35.7204, 52.0634, 67.1981



53.0299, 52.0634, 112.6926



66.3960, 52.0634, 47.3356



46.1011, 52.0634, 23.2160

Rectangle

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



35.7204, 52.0634, 67.1981



42.6547, 52.0634, 106.6930



66.3960, 52.0634, 47.3356



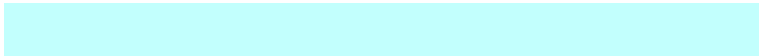
57.0075, 52.0634, 25.4129

Sweetspot

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



35.7220, 52.0654, 67.1993



75.7199, 90.0681, 106.4979



25.1039, 47.8463, 10.0112



15.7148, 19.0255, 22.7245



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.



35.7220, 52.0654, 67.1993



52.7625, 78.3321, 100.9543



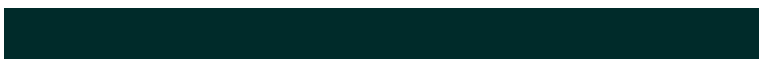
21.0786, 21.7843, 65.3833



12.7758, 14.1013, 15.8996



21.4040, 31.8169, 41.0186



1.2960, 1.9211, 2.5007

Inverse Universe

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



28.4392, 15.7817, 4.1336



41.4084, 21.4602, 2.4074



34.3669, 27.7860, 5.6510



12.4378, 12.4266, 12.9799



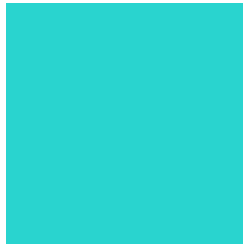
16.7893, 8.6520, 0.9286



1.0179, 0.5240, 0.0839

Previews

White Background



This preview shows how the XYZ color 35.7204, 52.0634, 67.1981 looks on a white background.

Color Contrast Check

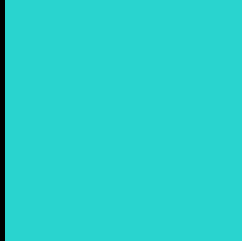
Large Text (above 18pt) WCAG AA × Fail

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 35.7204, 52.0634, 67.1981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

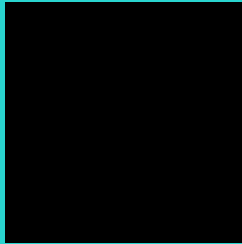
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

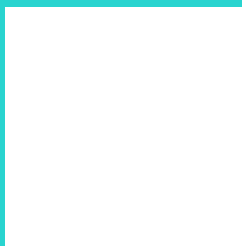
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7204, 52.0634, 67.1981

Background



This preview shows how black text looks on a background with the XYZ color 35.7204, 52.0634, 67.1981.

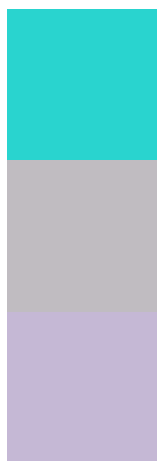


This preview shows how white text looks on a background with the XYZ color 35.7204, 52.0634,

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

35.7204, 52.0634, 67.1981

Protanopia

49.3471, 51.0232, 57.6997

Deuteranopia

52.1767, 50.9554, 70.0362



Tritanopia

38.2153, 51.9618, 79.9670

Trichromacy



Original Color

35.7204, 52.0634, 67.1981



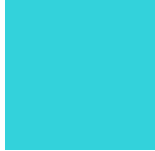
Protanomaly

40.4758, 49.3281, 60.8141



Deuteranomaly

41.8649, 48.8622, 68.8528



Tritanomaly

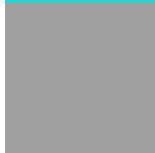
37.1980, 51.9115, 75.0772

Monochromacy



Original Color

35.7204, 52.0634, 67.1981



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.3920, 39.1964, 47.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7204, 52.0634, 67.1981 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(41, 212, 207)` looks like.

```
.text, #text, p{  
    color:rgb(41, 212, 207)  
}
```

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(41, 212, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 212, 207) }
```

Border

The CSS property to change the border of an element to XYZ 35.7204, 52.0634, 67.1981 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(41, 212, 207) }
```


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

```
.border{ border-color:rgb(41, 212, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 212, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 212, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 212, 207);  
box-shadow:4px 4px 4px 4px rgb(41, 212,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7204, 52.0634, 67.1981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 212, 207) }
```

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

```
.background{ background-color: rgb(41, 212,  
207) }
```

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