

Converting Colors

XYZ(37.5193, 52.0836, 64.1754)

Have a look what the booklet for
XYZ(37.5193, 52.0836, 64.1754)
contains.

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Color

**XYZ(37.3916, 51.8914,
63.9224)**

Conversions

Conversions Part 1

Format	Color
Hex	57D1CA
RGB	87, 209, 202
RGB Percent	34%, 82%, 79%
CMY	0.6588, 0.1804, 0.2078
CMYK	0.58, 0.00, 0.03, 0.18
HSL	177°, 57%, 58%
HSV	177°, 58%, 82%
XYZ	37.3916, 51.8914, 63.9224
YIQ	171.7240, -70.4650, -28.0410

Conversions

Conversions Part 2

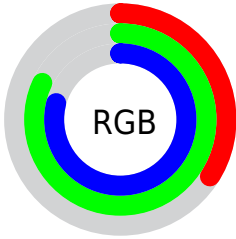
Format	Color
RYB	87, 150, 209
Decimal	5755338
CIELab	77.22, -35.43, -6.75
CIELCh	77, 36.064, 190.787
Yxy	51.8914, 0.2441, 0.3387
Android (android.graphics.Color)	4283945418 (0xFF57D1CA)
YUV	171.7240, 14.9261, -74.3029
Hunter-Lab	72.0357, -33.4084, -2.1873

Details

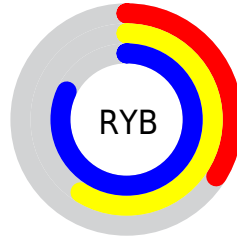
The XYZ color **37.3916, 51.8914, 63.9224** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.7248, 21.1814, 13.0078**, and the grayscale version is **39.0272, 41.0596, 44.7139**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **16.9009, 25.2493, 31.9998** is the 20% darker color. If you saturate the color by 10%, you get **35.5745, 50.9722, 63.0999**, and if you desaturate by 10%, it is **39.7777, 53.1062, 64.7796**.

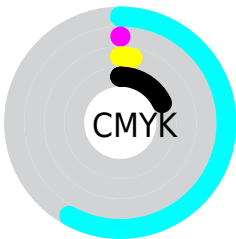
Distribution



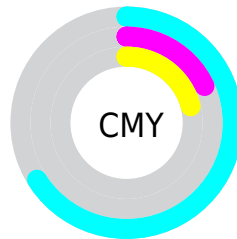
- Red (34%)
- Green (82%)
- Blue (79%)



- Red (34%)
- Yellow (59%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3916, 51.8914, 63.9224 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 37.3916, 51.8914, 63.9224 by changing the saturation by 10% instead.


 37.3916, 51.8914,
63.9224


 37.3916, 51.8914,
63.9224


326.3290,
394.0172, 457.1091


 25.6859, 36.9185,
46.1420

 70.4846, 92.9711,
112.0976

 16.7203, 25.1444,
32.0085


 92.6026, 119.8466,
143.3295

 10.1293, 16.1847,
21.1031


 118.9221,
151.4585, 179.8823

 5.5477, 9.6549,
13.0074

 149.8084,
188.1912, 222.1745

 2.6101, 5.1708,
7.3029

185.6269,
230.4290, 270.6248

 0.9511, 2.3478,
3.5709

226.7429,

 0.0000, 0.7988,

278.5563, 325.6517

1.3930

273.5218,
332.9576, 387.6736

■ 0.0000, 0.0000,
0.1363

■ 0.0000, 0.0000,
0.0000

■ 37.3916, 51.8914,
63.9224

■ 37.3916, 51.8914,
63.9224

■ 35.5745, 50.9722,
63.0999

■ 39.7777, 53.1062,
64.7796

■ 34.2714, 50.3167,
62.3061

■ 42.7724, 54.6334,
65.6699

■ 33.4248, 49.8963,
61.5393

■ 46.4171, 56.4956,
66.5964

■ 32.9453, 49.6651,
60.7955

■ 50.7484, 58.7116,
67.5609

■ 32.8802, 49.6341,
60.6755

■ 55.8000, 61.2988,
68.5648

■ 61.6036, 64.2736,
69.6098

■ 68.1888, 67.6511,
70.6972

■ 75.5836, 71.4459,
71.8284

■ 76.0258, 71.6564,
72.6400

Harmonies

Analogous

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



37.8131, 51.8914, 44.8856



37.3916, 51.8914, 63.9224



39.9336, 51.8914, 85.1671

Triad

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



37.3916, 51.8914, 63.9224



58.5154, 51.8914, 90.4689



53.8221, 51.8914, 27.6573

Complementary

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



37.3916, 51.8914, 63.9224



31.7248, 21.1814, 13.0078

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.



60.0756, 51.8914, 35.1188



37.3916, 51.8914, 63.9224



62.9552, 51.8914, 69.9648

Square

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



37.3916, 51.8914, 63.9224



51.8487, 51.8914, 102.7049



63.5514, 51.8914, 49.6773



46.8772, 51.8914, 26.7686

Rectangle

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



37.3916, 51.8914, 63.9224



43.1192, 51.8914, 96.6245



63.5514, 51.8914, 49.6773



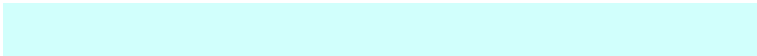
56.0912, 51.8914, 29.3808

Sweetspot

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



37.3931, 51.8934, 63.9236



79.7115, 92.1414, 105.9834



29.2556, 48.7311, 16.8822



16.6078, 19.4898, 22.5881



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.



37.3931, 51.8934, 63.9236



55.2245, 79.6547, 98.6547



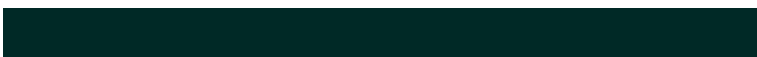
27.3516, 30.4533, 64.7602



12.1279, 13.3949, 15.0296



20.2850, 30.6069, 37.4763



1.1433, 1.7150, 2.1435

Inverse Universe

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



31.7248, 21.1814, 13.0078



45.5689, 27.1820, 11.8071



37.3753, 32.9626, 13.4106



11.8359, 11.8191, 12.4114



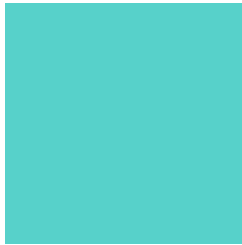
16.2653, 8.3790, 1.0374



0.9193, 0.4724, 0.1100

Previews

White Background



This preview shows how the XYZ color 37.3916, 51.8914, 63.9224 looks on a white background.

Color Contrast Check

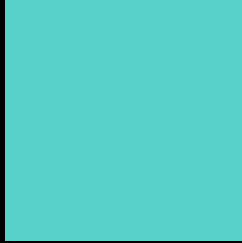
Large Text (above 18pt) WCAG AA × Fail

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 37.3916, 51.8914, 63.9224 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

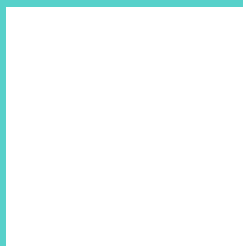
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3916, 51.8914, 63.9224

Background



This preview shows how black text looks on a background with the XYZ color 37.3916, 51.8914, 63.9224.

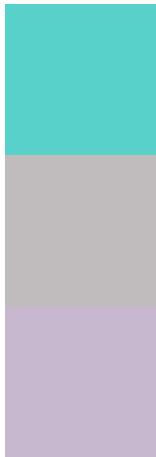


This preview shows how white text looks on a background with the XYZ color 37.3916, 51.8914,

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

37.3916, 51.8914, 63.9224

Protanopia

49.0157, 50.8906, 55.9547

Deuteranopia

51.9562, 50.9281, 66.1232



Tritanopia

40.1099, 51.9032, 77.7163

Trichromacy



Original Color

37.3916, 51.8914, 63.9224



Protanomaly

42.8040, 50.2449, 58.4812



Deuteranomaly

44.1900, 49.8168, 65.0442



Tritanomaly

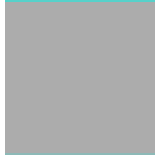
38.9922, 51.8073, 72.2347

Monochromacy



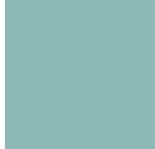
Original Color

37.3916, 51.8914, 63.9224



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.8807, 43.7795, 51.3062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3916, 51.8914, 63.9224 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(87, 209, 202)` looks like.

```
.text, #text, p{  
    color:rgb(87, 209, 202)  
}
```

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(87, 209, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 209, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.3916, 51.8914, 63.9224 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(87, 209, 202) }
```


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

```
.border{ border-color:rgb(87, 209, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 209, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 209, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 209, 202);  
box-shadow:4px 4px 4px 4px rgb(87, 209,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3916, 51.8914, 63.9224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 209, 202) }
```

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

```
.background{ background-color: rgb(87, 209,  
202) }
```

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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