

Converting Colors

XYZ(37.2565, 50.7827, 57.7353)

Have a look what the booklet for
XYZ(37.2565, 50.7827, 57.7353)
contains.

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Color

**XYZ(37.2947, 50.8914,
57.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	68CEC0
RGB	104, 206, 192
RGB Percent	41%, 81%, 75%
CMY	0.5921, 0.1921, 0.2471
CMYK	0.50, 0.00, 0.07, 0.19
HSL	172°, 51%, 61%
HSV	172°, 50%, 81%
XYZ	37.2947, 50.8914, 57.7266
YIQ	173.9060, -56.2980, -25.9780

Conversions

Conversions Part 2

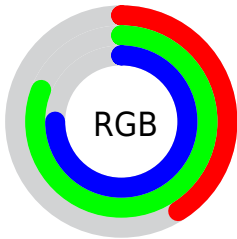
Format	Color
RYB	104, 159, 206
Decimal	6868672
CIELab	76.61, -33.15, -2.19
CIElCh	77, 33.218, 183.785
Yxy	50.8914, 0.2556, 0.3488
Android (android.graphics.Color)	4285058752 (0xFF68CEC0)
YUV	173.9060, 8.9203, -61.3076
Hunter-Lab	71.3382, -31.5244, 1.9595

Details

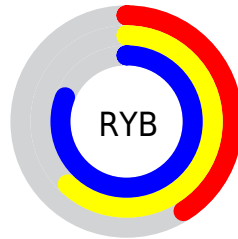
The XYZ color **37.2947, 50.8914, 57.7266** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6757, 24.3320, 20.0632**, and the grayscale version is **40.1615, 42.2531, 46.0136**.

A 20% lighter version of the original color is **67.6036, 85.9787, 101.8394**, and **16.6817, 24.4895, 28.2738** is the 20% darker color. If you saturate the color by 10%, you get **34.8793, 49.6833, 55.9945**, and if you desaturate by 10%, it is **40.3030, 52.4069, 59.5201**.

Distribution



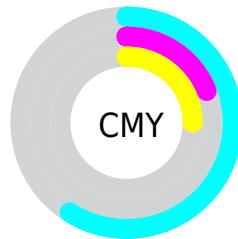
- Red (41%)
- Green (81%)
- Blue (75%)



- Red (41%)
- Yellow (62%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)



- Cyan (59%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2947, 50.8914, 57.7266 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 37.2947, 50.8914, 57.7266 by changing the saturation by 10% instead.

■ 37.2947, 50.8914,
57.7266

■ 37.2947, 50.8914,
57.7266

325.9181,
390.1417, 433.7362

■ 25.6105, 36.1222,
41.1756

■ 70.3367, 91.4942,
103.0355

■ 16.6636, 24.5286,
28.1356

■ 92.4252, 118.0966,
132.6304

■ 10.0888, 15.7262,
18.1880

■ 118.7124,
149.4122, 167.4105

■ 5.5206, 9.3306,
10.9142

■ 149.5638,
185.8254, 207.7942

■ 2.5937, 4.9574,
5.8957

185.3448,
227.7205, 254.2001

■ 0.9427, 2.2223,
2.7140

226.4205,

■ 0.0000, 0.7321,

275.4820, 307.0467

0.9505

273.1565,
329.4943, 366.7525

■ 0.0000, 0.0000,
0.0000

■ 37.2947, 50.8914,
57.7266

■ 37.2947, 50.8914,
57.7266

■ 34.8793, 49.6833,
55.9945

■ 40.3030, 52.4069,
59.5201

■ 33.0093, 48.7544,
54.3181

■ 43.9389, 54.2441,
61.3734

■ 31.6366, 48.0813,
52.6961


■ 48.2394, 56.4231,
63.2896


■ 30.7030, 47.6338,
51.1255


■ 53.2374, 58.9610,
65.2705


■ 30.1067, 47.3595,
49.6015


■ 58.9637, 61.8736,
67.3175

 30.0803, 47.3475,
49.5282

 65.4471, 65.1758,
69.4322

 72.7150, 68.8817,
71.6161

 75.5297, 70.2912,
73.6241

 75.8955, 70.4376,
75.5504

Harmonies

Analogous

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



38.3262, 50.8914, 41.4966



37.2947, 50.8914, 57.7266



39.0129, 50.8914, 76.9531

Triad

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



37.2947, 50.8914, 57.7266



55.4010, 50.8914, 89.4103



53.9032, 50.8914, 29.8169

Complementary

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



37.2947, 50.8914, 57.7266



33.6757, 24.3320, 20.0632

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.



59.1168, 50.8914, 38.3204



37.2947, 50.8914, 57.7266



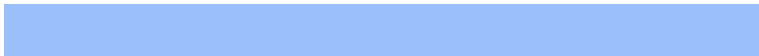
60.0327, 50.8914, 72.1351

Square

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



37.2947, 50.8914, 57.7266



49.1723, 50.8914, 97.5773



61.4476, 50.8914, 53.1603



47.5780, 50.8914, 27.5725

Rectangle

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



37.2947, 50.8914, 57.7266



41.5816, 50.8914, 88.2583



61.4476, 50.8914, 53.1603



55.8614, 50.8914, 31.9318

Sweetspot

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



37.2962, 50.8934, 57.7278



81.5170, 93.1198, 103.9140



32.2206, 49.0873, 20.8745



17.0873, 19.7484, 22.0961



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.



37.2962, 50.8934, 57.7278



56.4342, 80.4566, 90.6589



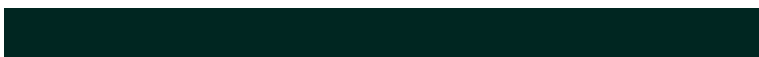
31.2822, 36.2632, 63.7454



11.4744, 12.6995, 14.0558



18.5485, 29.1647, 30.6371



0.9756, 1.5121, 1.6792

Inverse Universe

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



33.6757, 24.3320, 20.0632



49.9605, 32.7576, 23.1597



37.2884, 32.7917, 17.4621



11.2740, 11.2383, 11.9775



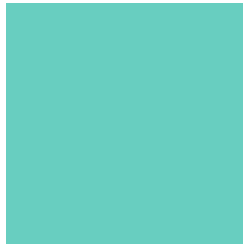
15.8257, 8.1409, 1.5349



0.8373, 0.4283, 0.1893

Previews

White Background



This preview shows how the XYZ color 37.2947, 50.8914, 57.7266 looks on a white background.

Color Contrast Check

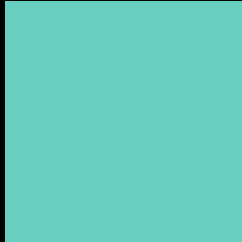
Large Text (above 18pt) WCAG AA × Fail

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 37.2947, 50.8914, 57.7266 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

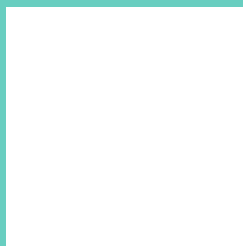
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2947, 50.8914, 57.7266

Background



This preview shows how black text looks on a background with the XYZ color 37.2947, 50.8914, 57.7266.

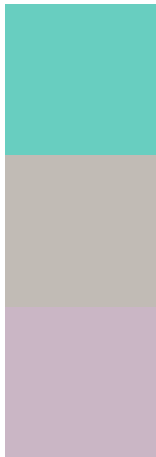


This preview shows how white text looks on a background with the XYZ color 37.2947, 50.8914,

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

37.2947, 50.8914, 57.7266

Protanopia

48.1031, 50.2143, 50.8731

Deuteranopia

51.1631, 50.0437, 59.7861



Tritanopia

40.4575, 50.7478, 73.9926

Trichromacy



Original Color

37.2947, 50.8914, 57.7266



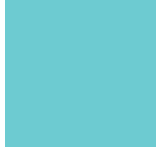
Protanomaly

42.7467, 49.6634, 53.2319



Deuteranomaly

44.2070, 49.3087, 58.8173



Tritanomaly

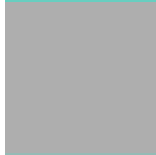
39.1712, 50.5665, 68.0174

Monochromacy



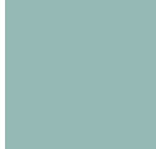
Original Color

37.2947, 50.8914, 57.7266



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2938, 44.8436, 50.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2947, 50.8914, 57.7266 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(104, 206, 192)` looks like.

```
.text, #text, p{  
    color:rgb(104, 206, 192)  
}
```

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(104, 206, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 206, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.2947, 50.8914, 57.7266 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(104, 206, 192) }
```


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

```
.border{ border-color:rgb(104, 206, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 206, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 206, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 206, 192);  
box-shadow:4px 4px 4px 4px rgb(104, 206,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2947, 50.8914, 57.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 206, 192) }
```

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

```
.background{ background-color: rgb(104,  
206, 192) }
```

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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