

Converting Colors

XYZ(37.3876, 50.8306, 63.7089)

Have a look what the booklet for
XYZ(37.3876, 50.8306, 63.7089)
contains.

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Color

**XYZ(37.3481, 50.7866,
63.7115)**

Conversions

Conversions Part 1

Format	Color
Hex	5ECECA
RGB	94, 206, 202
RGB Percent	37%, 81%, 79%
CMY	0.6314, 0.1921, 0.2078
CMYK	0.54, 0.00, 0.02, 0.19
HSL	178°, 53%, 59%
HSV	178°, 54%, 81%
XYZ	37.3481, 50.7866, 63.7115
YIQ	172.0560, -65.4680, -24.9880

Conversions

Conversions Part 2

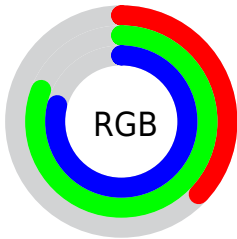
Format	Color
RYB	94, 151, 206
Decimal	6213322
CIELab	76.55, -32.70, -7.71
CIELCh	77, 33.594, 193.275
Yxy	50.7866, 0.2460, 0.3345
Android (android.graphics.Color)	4284403402 (0xFF5ECECA)
YUV	172.0560, 14.7624, -68.4551
Hunter-Lab	71.2647, -31.1658, -3.1207

Details

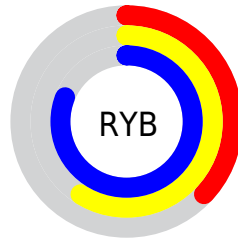
The XYZ color **37.3481, 50.7866, 63.7115** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.6627, 22.0106, 14.1367**, and the grayscale version is **39.1938, 41.2350, 44.9049**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **16.6614, 24.3999, 31.8485** is the 20% darker color. If you saturate the color by 10%, you get **35.4244, 49.8061, 63.1687**, and if you desaturate by 10%, it is **39.8388, 52.0617, 64.2853**.

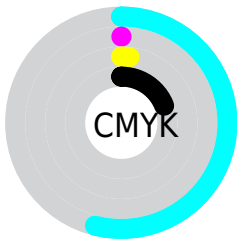
Distribution



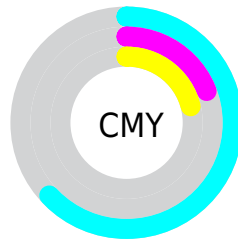
- Red (37%)
- Green (81%)
- Blue (79%)



- Red (37%)
- Yellow (59%)
- Blue (81%)



- Cyan (54%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)



- Cyan (63%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3481, 50.7866, 63.7115 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 37.3481, 50.7866, 63.7115 by changing the saturation by 10% instead.

■ 37.3481, 50.7866,
63.7115

■ 37.3481, 50.7866,
63.7115

326.1446,
389.7341, 456.3259

■ 25.6520, 36.0388,
45.9724

■ 70.4182, 91.3393,
111.7908

■ 16.6948, 24.4642,
31.8755

■ 92.5229, 117.9129,
142.9681

■ 10.1111, 15.6783,
21.0024

■ 118.8280,
149.1973, 179.4618

■ 5.5355, 9.2968,
12.9345

■ 149.6986,
185.5768, 221.6904

■ 2.6027, 4.9353,
7.2533

185.5002,
227.4359, 270.0727

■ 0.9473, 2.2093,
3.5401

226.5982,

■ 0.0000, 0.7251,

275.1588, 325.0270

1.3766

273.3579,
329.1301, 386.9719

■ 0.0000, 0.0000,
0.1234

■ 0.0000, 0.0000,
0.0000

■ 37.3481, 50.7866,
63.7115

■ 37.3481, 50.7866,
63.7115

■ 35.4244, 49.8061,
63.1687

■ 39.8388, 52.0617,
64.2853

■ 34.0174, 49.0908,
62.6511

■ 42.9330, 53.6467,
64.8884

■ 33.0753, 48.6151,
62.1574

■ 46.6692, 55.5626,
65.5237

■ 32.5337, 48.3458,
61.6846

■ 51.0816, 57.8270,
66.1928

■ 32.3395, 48.2512,
61.4244

■ 56.2019, 60.4563,
66.8972

■ 62.0597, 63.4658,
67.6384

■ 68.6831, 66.8699,
68.4175

■ 74.6838, 69.9529,
69.1697

■ 74.7745, 69.9892,
69.6475

Harmonies

Analogous

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



37.5085, 50.7866, 45.8434



37.3481, 50.7866, 63.7115



39.9254, 50.7866, 82.8610

Triad

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



37.3481, 50.7866, 63.7115



57.1227, 50.7866, 84.8238



51.8665, 50.7866, 28.1403

Complementary

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



37.3481, 50.7866, 63.7115



31.6627, 22.0106, 14.1367

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.



57.7057, 50.7866, 34.6454



37.3481, 50.7866, 63.7115



60.9176, 50.7866, 65.9705

Square

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



37.3481, 50.7866, 63.7115



51.1258, 50.7866, 96.7319



61.1399, 50.7866, 47.6598



45.5247, 50.7866, 27.7948

Rectangle

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



37.3481, 50.7866, 63.7115



42.9919, 50.7866, 92.7265



61.1399, 50.7866, 47.6598



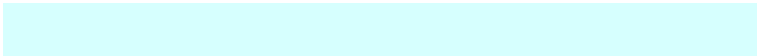
53.9658, 50.7866, 29.6013

Sweetspot

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



37.3496, 50.7886, 63.7127



81.3661, 92.9727, 107.0390



29.3047, 47.6394, 18.2417



17.0862, 19.7309, 22.8619



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.



37.3496, 50.7886, 63.7127



57.0148, 80.5006, 102.2191



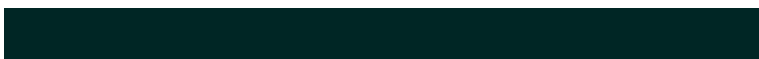
27.5798, 30.4807, 62.8244



11.5253, 12.7199, 14.3235



19.9209, 29.7137, 37.8640



1.0332, 1.5351, 1.9825

Inverse Universe

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



31.6627, 22.0106, 14.1367



46.9066, 29.2758, 14.0462



37.5098, 33.9998, 15.1765



11.2283, 11.2201, 11.7368



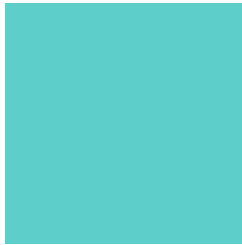
15.7060, 8.0930, 0.9044



0.8161, 0.4198, 0.0773

Previews

White Background



This preview shows how the XYZ color 37.3481, 50.7866, 63.7115 looks on a white background.

Color Contrast Check

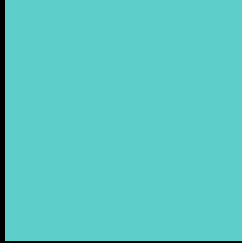
Large Text (above 18pt) WCAG AA × Fail

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 37.3481, 50.7866, 63.7115 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

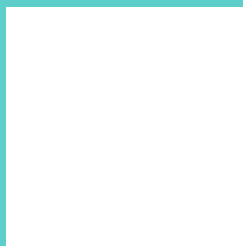
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3481, 50.7866, 63.7115

Background



This preview shows how black text looks on a background with the XYZ color 37.3481, 50.7866, 63.7115.

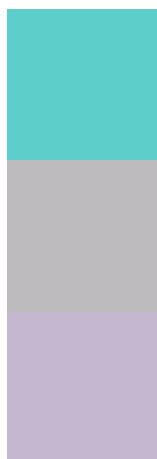


This preview shows how white text looks on a background with the XYZ color 37.3481, 50.7866, 63.7115.

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

37.3481, 50.7866, 63.7115

Protanopia

48.2998, 50.2055, 55.8602

Deuteranopia

51.2219, 50.2423, 66.0295



Tritanopia

39.6410, 50.6459, 75.3965

Trichromacy



Original Color

37.3481, 50.7866, 63.7115



Protanomaly

42.5470, 49.4472, 58.3407



Deuteranomaly

44.1475, 49.1430, 64.9163



Tritanomaly

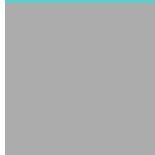
38.6401, 50.5865, 70.6784

Monochromacy



Original Color

37.3481, 50.7866, 63.7115



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.1893, 43.6292, 51.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3481, 50.7866, 63.7115 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(94, 206, 202)` looks like.

```
.text, #text, p{  
    color:rgb(94, 206, 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(94, 206, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 206, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.3481, 50.7866, 63.7115 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(94, 206, 202) }
```


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

```
.border{ border-color:rgb(94, 206, 202) }
```

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

Here you see how a box with a 4 pixel rgb(94, 206, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 206, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 206, 202);  
box-shadow:4px 4px 4px 4px rgb(94, 206,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3481, 50.7866, 63.7115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 206, 202) }
```

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

```
.background{ background-color: rgb(94, 206,  
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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