

Converting Colors

XYZ(37.3820, 49.9776, 60.7368)

Have a look what the booklet for
XYZ(37.3820, 49.9776, 60.7368)
contains.

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Color

**XYZ(37.2597, 49.7463,
60.4615)**

Conversions

Conversions Part 1

Format	Color
Hex	69CBC5
RGB	105, 203, 197
RGB Percent	41%, 80%, 77%
CMY	0.5882, 0.2039, 0.2274
CMYK	0.48, 0.00, 0.03, 0.20
HSL	176°, 49%, 60%
HSV	176°, 48%, 80%
XYZ	37.2597, 49.7463, 60.4615
YIQ	173.0140, -56.4820, -22.6420

Conversions

Conversions Part 2

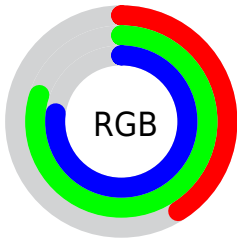
Format	Color
RYB	105, 156, 203
Decimal	6933445
CIELab	75.91, -30.24, -5.92
CIELCh	76, 30.816, 191.069
Yxy	49.7463, 0.2527, 0.3373
Android (android.graphics.Color)	4285123525 (0xFF69CBC5)
YUV	173.0140, 11.8251, -59.6483
Hunter-Lab	70.5311, -29.1325, -1.4536

Details

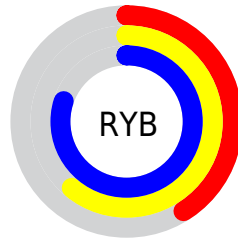
The XYZ color **37.2597, 49.7463, 60.4615** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5512, 23.9489, 17.9478**, and the grayscale version is **39.6912, 41.7582, 45.4747**.

A 20% lighter version of the original color is **68.5497, 86.3571, 106.8216**, and **16.5441, 23.6766, 29.6847** is the 20% darker color. If you saturate the color by 10%, you get **35.0125, 48.6054, 59.6167**, and if you desaturate by 10%, it is **40.0801, 51.1849, 61.3414**.

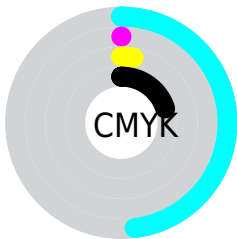
Distribution



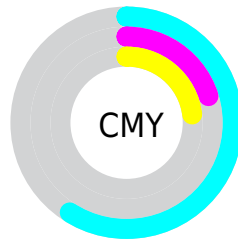
- Red (41%)
- Green (80%)
- Blue (77%)



- Red (41%)
- Yellow (61%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (20%)



- Cyan (59%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2597, 49.7463, 60.4615 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 37.2597, 49.7463, 60.4615 by changing the saturation by 10% instead.

■ 37.2597, 49.7463,
60.4615

■ 37.2597, 49.7463,
60.4615

325.7696,
385.6730, 444.1485

■ 25.5832, 35.2119,
43.3630

■ 70.2833, 89.7989,
107.0488

■ 16.6432, 23.8261,
29.8365

■ 92.3611, 116.0858,
137.3746

■ 10.0741, 15.2047,
19.4635

■ 118.6367,
147.0590, 172.9466

■ 5.5108, 8.9632,
11.8255

■ 149.4755,
183.1029, 214.1834

■ 2.5878, 4.7172,
6.5039

185.2428,
224.6018, 261.5034

■ 0.9397, 2.0823,
3.0801

226.3040,

■ 0.0000, 0.6546,

271.9402, 315.3253

1.1357

273.0245,
325.5025, 376.0675

■ 0.0000, 0.0000,
0.0000

■ 37.2597, 49.7463,
60.4615

■ 37.2597, 49.7463,
60.4615

■ 35.0125, 48.6054,
59.6167

■ 40.0801, 51.1849,
61.3414

■ 33.2930, 47.7352,
58.8017

■ 43.5063, 52.9345,
62.2547

■ 32.0558, 47.1136,
58.0154

■ 47.5738, 55.0146,
63.2042


■ 31.2463, 46.7122,
57.2551


■ 52.3142, 57.4414,
64.1914


■ 30.7809, 46.4881,
56.5170


■ 57.7566, 60.2300,
65.2176

 30.7135, 46.4561,
56.3909

 63.9288, 63.3947,
66.2841

 70.8569, 66.9489,
67.3923

 73.8528, 68.4759,
68.3226

 74.0054, 68.5369,
69.1262

Harmonies

Analogous

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



37.5947, 49.7463, 44.5469



37.2597, 49.7463, 60.4615



39.4423, 49.7463, 77.6901

Triad

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



37.2597, 49.7463, 60.4615



54.9078, 49.7463, 81.6517



50.9530, 49.7463, 29.4362

Complementary

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



37.2597, 49.7463, 60.4615



32.5512, 23.9489, 17.9478

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.



56.0980, 49.7463, 35.9448



37.2597, 49.7463, 60.4615



58.5058, 49.7463, 65.0771

Square

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



37.2597, 49.7463, 60.4615



49.4325, 49.7463, 91.4713



58.9582, 49.7463, 48.3221



45.1955, 49.7463, 28.6958

Rectangle

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



37.2597, 49.7463, 60.4615



42.1432, 49.7463, 86.7948



58.9582, 49.7463, 48.3221



52.8232, 49.7463, 30.9493

Sweetspot

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



37.2612, 49.7482, 60.4627



82.7637, 93.7066, 106.4979



30.5302, 47.1479, 20.8572



17.3542, 19.8725, 22.7182



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.



37.2612, 49.7482, 60.4627



58.4611, 81.3023, 99.7537



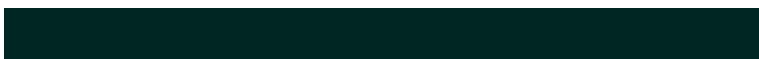
29.2703, 32.6438, 61.2601



11.5124, 12.7147, 14.2560



19.5576, 29.5684, 35.9511



1.0182, 1.5291, 1.9031

Inverse Universe

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



32.5512, 23.9489, 17.9478



49.6697, 33.0609, 20.3348



37.6866, 34.7311, 18.0833



11.2397, 11.2246, 11.7970



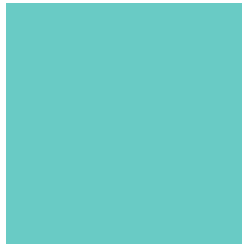
15.7291, 8.1022, 1.0264



0.8214, 0.4220, 0.1054

Previews

White Background



This preview shows how the XYZ color 37.2597, 49.7463, 60.4615 looks on a white background.

Color Contrast Check

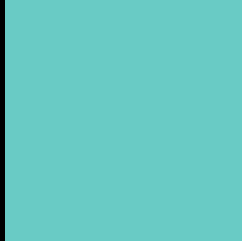
Large Text (above 18pt) WCAG AA × Fail

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 37.2597, 49.7463, 60.4615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

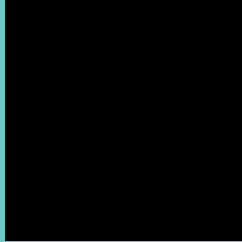
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2597, 49.7463, 60.4615

Background



This preview shows how black text looks on a background with the XYZ color 37.2597, 49.7463, 60.4615.

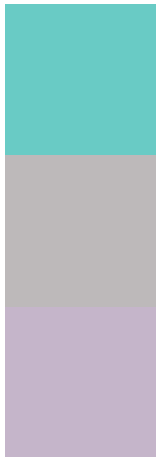


This preview shows how white text looks on a background with the XYZ color 37.2597, 49.7463,

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

37.2597, 49.7463, 60.4615

Protanopia

47.1982, 49.0619, 53.4367

Deuteranopia

50.2105, 49.1823, 62.7239



Tritanopia

39.6045, 49.6459, 72.4610

Trichromacy



Original Color

37.2597, 49.7463, 60.4615



Protanomaly

42.2445, 48.6861, 55.8860



Deuteranomaly

43.9328, 48.4578, 61.6814



Tritanomaly

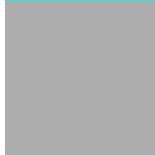
38.7019, 49.6279, 67.8609

Monochromacy



Original Color

37.2597, 49.7463, 60.4615



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.7967, 43.9543, 50.7479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2597, 49.7463, 60.4615 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(105, 203, 197)` looks like.

```
.text, #text, p{  
    color:rgb(105, 203, 197)  
}
```

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(105, 203, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 203, 197) }
```

Border

The CSS property to change the border of an element to XYZ 37.2597, 49.7463, 60.4615 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(105, 203, 197) }
```


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

```
.border{ border-color:rgb(105, 203, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 203, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 203, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 203, 197); box-shadow:4px 4px 4px 4px rgb(105, 203, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2597, 49.7463, 60.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 203, 197) }
```

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

```
.background{ background-color: rgb(105,  
203, 197) }
```

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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