

Converting Colors

XYZ(36.9418, 48.9703, 64.3110)

Have a look what the booklet for
XYZ(36.9418, 48.9703, 64.3110)
contains.

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Color

**XYZ(37.0456, 49.2055,
64.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	63CACB
RGB	99, 202, 203
RGB Percent	39%, 79%, 80%
CMY	0.6117, 0.2078, 0.2039
CMYK	0.51, 0.00, 0.00, 0.20
HSL	181°, 50%, 59%
HSV	181°, 51%, 80%
XYZ	37.0456, 49.2055, 64.0450
YIQ	171.3170, -61.7090, -21.5250

Conversions

Conversions Part 2

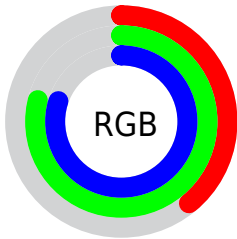
Format	Color
RYB	99, 151, 203
Decimal	6539979
CIELab	75.58, -29.50, -9.68
CIELCh	76, 31.051, 198.161
Yxy	49.2055, 0.2465, 0.3274
Android (android.graphics.Color)	4284730059 (0xFF63CACB)
YUV	171.3170, 15.6197, -63.4220
Hunter-Lab	70.1466, -28.4878, -5.0301

Details

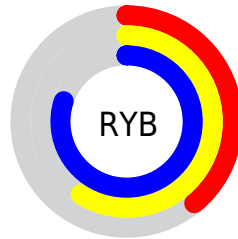
The XYZ color **37.0456, 49.2055, 64.0450** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4388, 22.7125, 14.5325**, and the grayscale version is **38.8155, 40.8369, 44.4714**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **16.6104, 23.6568, 32.1245** is the 20% darker color. If you saturate the color by 10%, you get **35.0552, 48.1127, 63.9399**, and if you desaturate by 10%, it is **39.5964, 50.5895, 64.1786**.

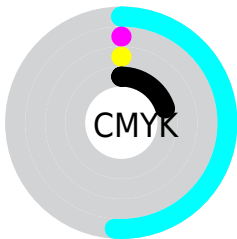
Distribution



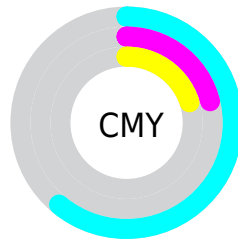
- Red (39%)
- Green (79%)
- Blue (80%)



- Red (39%)
- Yellow (59%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (61%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0456, 49.2055, 64.0450 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 37.0456, 49.2055, 64.0450 by changing the saturation by 10% instead.

37.0456, 49.2055,
64.0450

37.0456, 49.2055,
64.0450

324.8600,
383.5508, 457.5640

25.4166, 34.7825,
46.2407

69.9563, 88.9966,
112.2758

16.5181, 23.4954,
32.0858

91.9687, 115.1335,
143.5395

9.9847, 14.9597,
21.1617

118.1730,
145.9438, 180.1266

5.4510, 8.7911,
13.0498

148.9346,
181.8120, 222.4558

2.5517, 4.6052,
7.3317

184.6187,
223.1224, 270.9456

0.9214, 2.0175,
3.5888

225.5907,

0.0000, 0.6176,

270.2594, 326.0146

1.4026

272.2160,
323.6074, 388.0812

■ 0.0000, 0.0000,
0.1438

■ 0.0000, 0.0000,
0.0000

■ 37.0456, 49.2055,
64.0450

■ 37.0456, 49.2055,
64.0450

■ 35.0552, 48.1127,
63.9399

■ 39.5964, 50.5895,
64.1786

■ 33.5782, 47.2836,
63.8577

■ 42.7413, 52.2788,
64.3389

■ 32.5673, 46.6948,
63.7973

■ 46.5166, 54.2931,
64.5287

■ 31.9644, 46.3164,
63.7560

■ 50.9545, 56.6491,
64.7495

■ 31.6787, 46.1099,
63.7312

■ 56.0849, 59.3621,
65.0028

■ 61.9359, 62.4468,
65.2898

■ 68.5341, 65.9167,
65.6118

■ 73.5085, 68.5496,
65.8578

■ 73.5547, 68.6420,
65.8732

Harmonies

Analogous

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



36.7765, 49.2055, 47.3498



37.0456, 49.2055, 64.0450



39.7859, 49.2055, 80.7448

Triad

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



37.0456, 49.2055, 64.0450



55.4825, 49.2055, 77.5474



49.0694, 49.2055, 28.2124

Complementary

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



37.0456, 49.2055, 64.0450



31.4388, 22.7125, 14.5325

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.



54.5234, 49.2055, 33.3088



37.0456, 49.2055, 64.0450



58.4235, 49.2055, 60.3263

Square

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



37.0456, 49.2055, 64.0450



50.2935, 49.2055, 89.5725



58.0588, 49.2055, 44.3157



43.4119, 49.2055, 28.8049

Rectangle

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



37.0456, 49.2055, 64.0450



42.7817, 49.2055, 88.5988



58.0588, 49.2055, 44.3157



50.9953, 49.2055, 29.2660

Sweetspot

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



37.0471, 49.2074, 64.0462



82.2340, 93.2194, 108.2667



28.7547, 46.2664, 19.2203



17.2620, 19.7726, 23.1566



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.



37.0471, 49.2074, 64.0462



58.5305, 80.4693, 107.0550



26.9929, 29.0990, 60.6948



11.5337, 12.7078, 14.4153



20.1640, 29.3520, 40.5590



1.0433, 1.5203, 2.0934

Inverse Universe

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



39.7523, 25.8857, 58.7804



63.5551, 37.3934, 97.2206



37.9484, 35.7318, 16.7024



11.6828, 11.4018, 14.1300



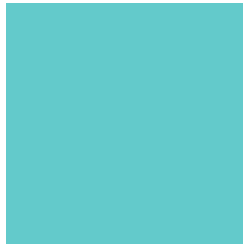
22.3888, 10.7661, 36.0955



1.1565, 0.5560, 1.8702

Previews

White Background



This preview shows how the XYZ color 37.0456, 49.2055, 64.0450 looks on a white background.

Color Contrast Check

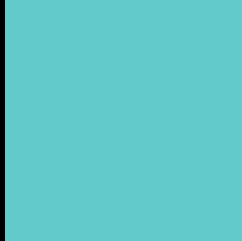
Large Text (above 18pt) WCAG AA × Fail

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 37.0456, 49.2055, 64.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

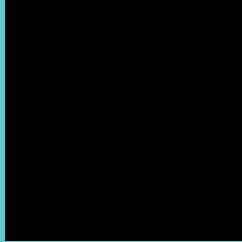
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0456, 49.2055, 64.0450

Background



This preview shows how black text looks on a background with the XYZ color 37.0456, 49.2055, 64.0450.

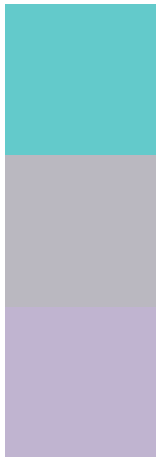


This preview shows how white text looks on a background with the XYZ color 37.0456, 49.2055,

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

37.0456, 49.2055, 64.0450

Protanopia

46.9046, 48.5259, 56.7635

Deuteranopia

49.4447, 48.4031, 66.4112



Tritanopia

38.7579, 49.2095, 72.4214

Trichromacy



Original Color

37.0456, 49.2055, 64.0450



Protanomaly

41.9210, 48.1172, 59.3026



Deuteranomaly

43.2243, 47.6918, 65.3198



Tritanomaly

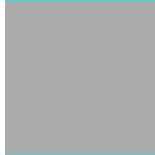
38.1240, 49.3012, 69.1348

Monochromacy



Original Color

37.0456, 49.2055, 64.0450



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.9522, 42.8945, 51.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0456, 49.2055, 64.0450 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(99, 202, 203)` looks like.

```
.text, #text, p{  
    color:rgb(99, 202, 203)  
}
```

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(99, 202, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 202, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.0456, 49.2055, 64.0450 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(99, 202, 203) }
```


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

```
.border{ border-color:rgb(99, 202, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 202, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 202, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 202, 203);  
box-shadow:4px 4px 4px 4px rgb(99, 202,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0456, 49.2055, 64.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 202, 203) }
```

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

```
.background{ background-color: rgb(99, 202,  
203) }
```

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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