

Converting Colors

XYZ(37.3677, 49.1614, 61.4532)

Have a look what the booklet for
XYZ(37.3677, 49.1614, 61.4532)
contains.

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Color

**XYZ(37.3798, 49.0850,
61.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC9C7
RGB	108, 201, 199
RGB Percent	42%, 79%, 78%
CMY	0.5765, 0.2118, 0.2196
CMYK	0.46, 0.00, 0.01, 0.21
HSL	179°, 46%, 61%
HSV	179°, 46%, 79%
XYZ	37.3798, 49.0850, 61.5371
YIQ	172.9650, -54.7860, -20.3380

Conversions

Conversions Part 2

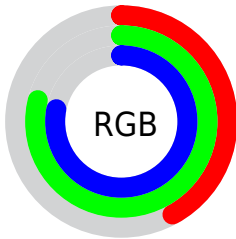
Format	Color
RYB	108, 155, 201
Decimal	7129543
CIELab	75.50, -28.09, -7.59
CIELCh	76, 29.095, 195.124
Yxy	49.0850, 0.2526, 0.3317
Android (android.graphics.Color)	4285319623 (0xFF6CC9C7)
YUV	172.9650, 12.8353, -56.9743
Hunter-Lab	70.0607, -27.3703, -3.0343

Details

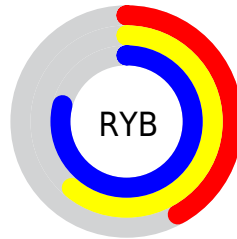
The XYZ color **37.3798, 49.0850, 61.5371** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2661, 24.2699, 17.7375**, and the grayscale version is **39.6606, 41.7260, 45.4396**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **16.7635, 23.5401, 30.4482** is the 20% darker color. If you saturate the color by 10%, you get **35.1616, 47.9485, 61.1724**, and if you desaturate by 10%, it is **40.1645, 50.5159, 61.9312**.

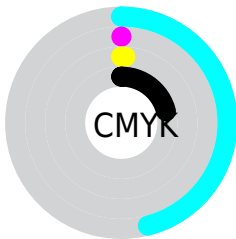
Distribution



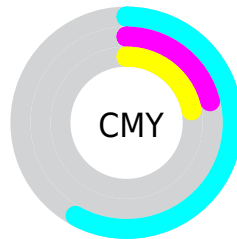
- Red (42%)
- Green (79%)
- Blue (78%)



- Red (42%)
- Yellow (61%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)



- Cyan (58%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3798, 49.0850, 61.5371 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 37.3798, 49.0850, 61.5371 by changing the saturation by 10% instead.

■ 37.3798, 49.0850,
61.5371

■ 37.3798, 49.0850,
61.5371

326.2790,
383.0768, 448.2015

■ 25.6767, 34.6869,
44.2254

■ 70.4666, 88.8177,
108.6213

■ 16.7134, 23.4218,
30.5093

■ 92.5810, 114.9211,
139.2309

■ 10.1244, 14.9053,
19.9701

■ 118.8965,
145.6950, 175.1103

■ 5.5444, 8.7529,
12.1895

149.7786,
181.5239, 216.6778

■ 2.6081, 4.5804,
6.7487

185.5925,
222.7921, 264.3522

■ 0.9501, 2.0032,
3.2294

226.7036,

■ 0.0000, 0.6093,

269.8841, 318.5519

1.2129

273.4774,
323.1842, 379.6955

■ 0.0000, 0.0000,
0.0000

■ 37.3798, 49.0850,
61.5371

■ 37.3798, 49.0850,
61.5371

■ 35.1616, 47.9485,
61.1724

■ 40.1645, 50.5159,
61.9312

■ 33.4664, 47.0803,
60.8319

■ 43.5470, 52.2538,
62.3529

■ 32.2513, 46.4597,
60.5146

■ 47.5613, 54.3174,
62.8049

■ 31.4646, 46.0599,
60.2181

■ 52.2376, 56.7223,
63.2887

■ 31.0409, 45.8471,
59.9394

■ 57.6043, 59.4831,
63.8055

■ 30.9285, 45.7913,
59.8376

■ 63.6881, 62.6134,
64.3566

■ 70.5141, 66.1265,
64.9432

■ 72.8431, 67.3212,
65.3201

■ 72.8946, 67.3418,
65.5912

Harmonies

Analogous

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



37.3698, 49.0850, 46.2078



37.3798, 49.0850, 61.5371



39.7417, 49.0850, 77.2562

Triad

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



37.3798, 49.0850, 61.5371



54.3593, 49.0850, 77.1406



49.3549, 49.0850, 29.6585

Complementary

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



37.3798, 49.0850, 61.5371



32.2661, 24.2699, 17.7375

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.



54.3243, 49.0850, 35.1108



37.3798, 49.0850, 61.5371



57.3606, 49.0850, 61.4014

Square

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



37.3798, 49.0850, 61.5371



49.3998, 49.0850, 87.3731



57.3474, 49.0850, 46.0957



44.0116, 49.0850, 29.6809

Rectangle

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



37.3798, 49.0850, 61.5371



42.4441, 49.0850, 85.0089



57.3474, 49.0850, 46.0957



51.1331, 49.0850, 30.8577

Sweetspot

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



37.3813, 49.0869, 61.5382



82.9903, 93.7972, 107.6910



30.1631, 46.2440, 21.5247



17.4101, 19.8949, 23.0126



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.



37.3813, 49.0869, 61.5382



60.0265, 82.0015, 104.6980



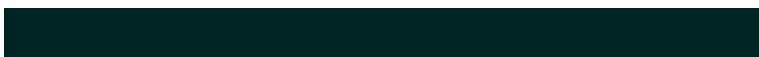
28.8872, 31.7243, 59.8614



10.9365, 12.0635, 13.6157



19.4505, 28.7926, 37.6466



0.9242, 1.3646, 1.7995

Inverse Universe

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



32.2661, 24.2699, 17.7375



50.1666, 34.1367, 20.2475



37.9270, 35.7642, 19.0926



10.6430, 10.6406, 11.1032



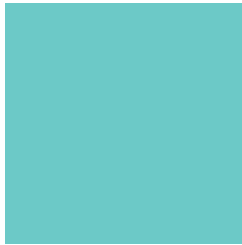
15.1645, 7.8154, 0.8101



0.7213, 0.3714, 0.0557

Previews

White Background



This preview shows how the XYZ color 37.3798, 49.0850, 61.5371 looks on a white background.

Color Contrast Check

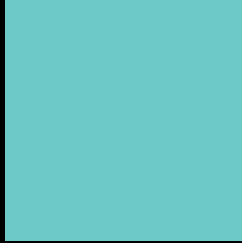
Large Text (above 18pt) WCAG AA × Fail

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 37.3798, 49.0850, 61.5371 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

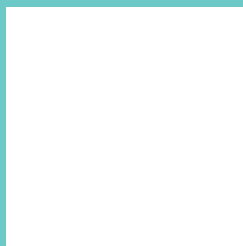
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3798, 49.0850, 61.5371

Background



This preview shows how black text looks on a background with the XYZ color 37.3798, 49.0850, 61.5371.

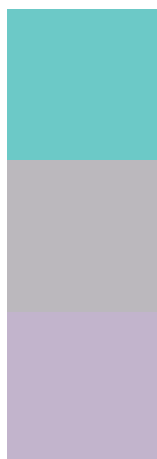


This preview shows how white text looks on a background with the XYZ color 37.3798, 49.0850,

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

37.3798, 49.0850, 61.5371

Protanopia

46.8193, 48.5199, 55.0417

Deuteranopia

49.4685, 48.4715, 63.8754



Tritanopia

39.4992, 49.2639, 71.7170

Trichromacy



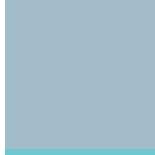
Original Color

37.3798, 49.0850, 61.5371



Protanomaly

42.1396, 47.9463, 57.4856



Deuteranomaly

43.7481, 48.0172, 62.8396



Tritanomaly

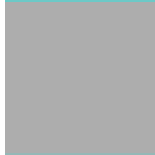
38.7184, 49.2915, 67.7951

Monochromacy



Original Color

37.3798, 49.0850, 61.5371



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.7714, 43.6339, 50.6874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3798, 49.0850, 61.5371 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(108, 201, 199)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 199)  
}
```

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(108, 201, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 199) }
```

Border

The CSS property to change the border of an element to XYZ 37.3798, 49.0850, 61.5371 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(108, 201, 199) }
```


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

```
.border{ border-color:rgb(108, 201, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 199);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3798, 49.0850, 61.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 199) }
```

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

```
.background{ background-color: rgb(108,  
201, 199) }
```

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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