

Converting Colors

XYZ(37.2583, 49.7190, 61.6658)

Have a look what the booklet for
XYZ(37.2583, 49.7190, 61.6658)
contains.

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Color

**XYZ(37.2583, 49.7190,
61.6658)**

Conversions

Conversions Part 1

Format	Color
Hex	67CBC7
RGB	103, 203, 199
RGB Percent	40%, 80%, 78%
CMY	0.5961, 0.2039, 0.2196
CMYK	0.49, 0.00, 0.02, 0.20
HSL	178°, 49%, 60%
HSV	178°, 49%, 80%
XYZ	37.2583, 49.7190, 61.6658
YIQ	172.6440, -58.3160, -22.4440

Conversions

Conversions Part 2

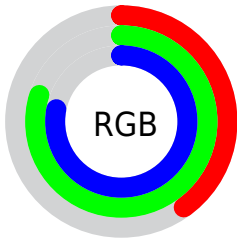
Format	Color
RYB	103, 154, 203
Decimal	6802375
CIELab	75.90, -30.18, -7.03
CIElCh	76, 30.983, 193.114
Yxy	49.7190, 0.2507, 0.3345
Android (android.graphics.Color)	4284992455 (0xFF67CBC7)
YUV	172.6440, 12.9935, -61.0778
Hunter-Lab	70.5117, -29.0763, -2.4937

Details

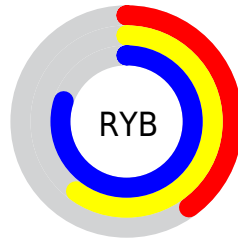
The XYZ color **37.2583, 49.7190, 61.6658** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1345, 23.4601, 16.7464**, and the grayscale version is **39.4979, 41.5549, 45.2532**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **16.5758, 23.6753, 30.4842** is the 20% darker color. If you saturate the color by 10%, you get **35.1129, 48.6250, 61.0753**, and if you desaturate by 10%, it is **39.9724, 51.1084, 62.2877**.

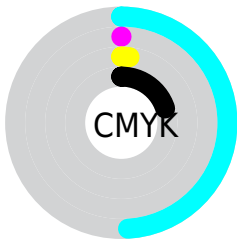
Distribution



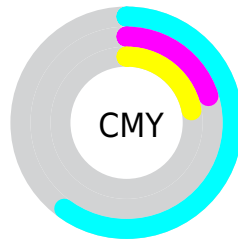
- Red (40%)
- Green (80%)
- Blue (78%)



- Red (40%)
- Yellow (60%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2583, 49.7190, 61.6658 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 37.2583, 49.7190, 61.6658 by changing the saturation by 10% instead.

37.2583, 49.7190,
61.6658

37.2583, 49.7190,
61.6658

325.7636,
385.5660, 448.6850

25.5821, 35.1902,
44.3287

70.2811, 89.7584,
108.8093

16.6423, 23.8094,
30.5899

92.3585, 116.0378,
139.4527

10.0735, 15.1923,
20.0309

118.6337,
147.0027, 175.3686

5.5104, 8.9545,
12.2332

149.4720,
183.0378, 216.9756

2.5875, 4.7115,
6.7783

185.2387,
224.5272, 264.6922

0.9396, 2.0790,
3.2475

226.2994,

0.0000, 0.6528,

271.8555, 318.9369

1.2223

273.0192,
325.4070, 380.1283

■ 0.0000, 0.0000,
0.0000

■ 37.2583, 49.7190,
61.6658

■ 37.2583, 49.7190,
61.6658

■ 35.1129, 48.6250,
61.0753

■ 39.9724, 51.1084,
62.2877

■ 33.4900, 47.7992,
60.5108

■ 43.2882, 52.8068,
62.9393

■ 32.3440, 47.2192,
59.9713


■ 47.2415, 54.8337,
63.6234


■ 31.6189, 46.8561,
59.4541


■ 51.8638, 57.2055,
64.3414

■ 31.2190, 46.6606,
58.9547

■ 57.1847, 59.9374,
65.0948

 31.1934, 46.6482,
58.9180

 63.2321, 63.0437,
65.8848

 70.0322, 66.5380,
66.7127

 73.6768, 68.4055,
67.3956

 73.7755, 68.4450,
67.9152

Harmonies

Analogous

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



37.4197, 49.7190, 45.4249



37.2583, 49.7190, 61.6658



39.6148, 49.7190, 78.8713

Triad

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



37.2583, 49.7190, 61.6658



55.2478, 49.7190, 80.7860



50.5512, 49.7190, 29.0779

Complementary

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



37.2583, 49.7190, 61.6658



32.1345, 23.4601, 16.7464

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.



55.8225, 49.7190, 35.2017



37.2583, 49.7190, 61.6658



58.6815, 49.7190, 63.8942

Square

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



37.2583, 49.7190, 61.6658



49.8174, 49.7190, 91.3305



58.9000, 49.7190, 47.2447



44.7847, 49.7190, 28.7220

Rectangle

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



37.2583, 49.7190, 61.6658



42.4170, 49.7190, 87.6889



58.9000, 49.7190, 47.2447



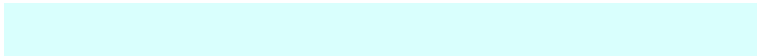
52.4506, 49.7190, 30.4629

Sweetspot

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



37.2598, 49.7209, 61.6670



82.1055, 93.3552, 107.0128



29.9901, 46.8813, 20.3015



17.2306, 19.8057, 22.8507



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.



37.2598, 49.7209, 61.6670



58.6285, 81.3343, 102.2142



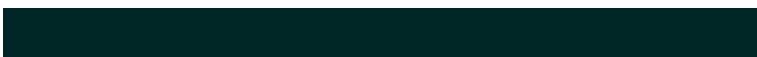
28.6015, 31.6509, 61.1038



11.5231, 12.7190, 14.3122



19.8589, 29.6889, 37.5377



1.0307, 1.5341, 1.9690

Inverse Universe

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



32.1345, 23.4601, 16.7464



49.0915, 32.4100, 18.5838



37.6685, 34.8575, 17.5760



11.2302, 11.2208, 11.7469



15.7099, 8.0945, 0.9249



0.8170, 0.4202, 0.0820

Previews

White Background



This preview shows how the XYZ color 37.2583, 49.7190, 61.6658 looks on a white background.

Color Contrast Check

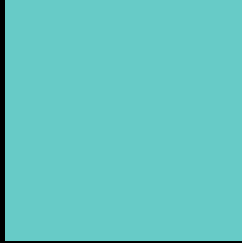
Large Text (above 18pt) WCAG AA × Fail

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 37.2583, 49.7190, 61.6658 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

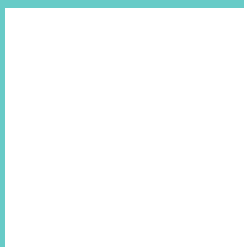
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2583, 49.7190, 61.6658

Background



This preview shows how black text looks on a background with the XYZ color 37.2583, 49.7190, 61.6658.

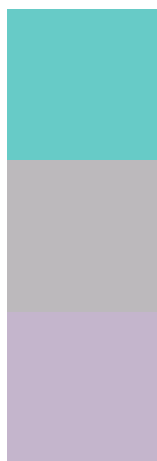


This preview shows how white text looks on a background with the XYZ color 37.2583, 49.7190,

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

37.2583, 49.7190, 61.6658

Protanopia

47.1651, 49.0201, 54.5529

Deuteranopia

50.1879, 49.1431, 63.9671



Tritanopia

39.4853, 49.5695, 73.1324

Trichromacy



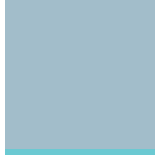
Original Color

37.2583, 49.7190, 61.6658



Protanomaly

42.2687, 48.6731, 57.0362



Deuteranomaly

43.7586, 48.3408, 62.9015



Tritanomaly

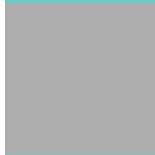
38.5829, 49.5522, 68.5038

Monochromacy



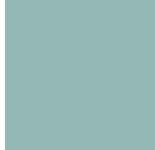
Original Color

37.2583, 49.7190, 61.6658



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 37.2583, 49.7190, 61.6658 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(103, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 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(103, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 199) }
```

Border

The CSS property to change the border of an element to XYZ 37.2583, 49.7190, 61.6658 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(103, 203, 199) }
```


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

```
.border{ border-color:rgb(103, 203, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2583, 49.7190, 61.6658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 199) }
```

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

```
.background{ background-color: rgb(103,  
203, 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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