

Converting Colors

XYZ(36.6998, 47.9073, 61.0869)

Have a look what the booklet for
XYZ(36.6998, 47.9073, 61.0869)
contains.

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Color

**XYZ(36.7956, 48.0962,
61.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC7C7
RGB	107, 199, 199
RGB Percent	42%, 78%, 78%
CMY	0.5804, 0.2196, 0.2196
CMYK	0.46, 0.00, 0.00, 0.22
HSL	180°, 45%, 60%
HSV	180°, 46%, 78%
XYZ	36.7956, 48.0962, 61.3770
YIQ	171.4920, -54.8320, -19.5040

Conversions

Conversions Part 2

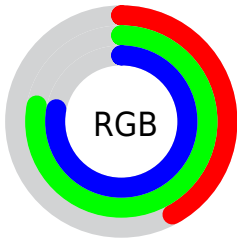
Format	Color
RYB	107, 153, 199
Decimal	7063495
CIELab	74.89, -27.34, -8.51
CIELCh	75, 28.634, 197.298
Yxy	48.0962, 0.2516, 0.3288
Android (android.graphics.Color)	4285253575 (0xFF6BC7C7)
YUV	171.4920, 13.5614, -56.5595
Hunter-Lab	69.3514, -26.6587, -3.9265

Details

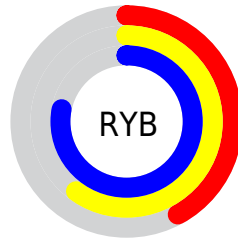
The XYZ color **36.7956, 48.0962, 61.3770** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4663, 23.7204, 16.8315**, and the grayscale version is **38.9110, 40.9374, 44.5808**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **16.4085, 22.8995, 30.3433** is the 20% darker color. If you saturate the color by 10%, you get **34.6733, 47.0032, 61.2785**, and if you desaturate by 10%, it is **39.4713, 49.4767, 61.5036**.

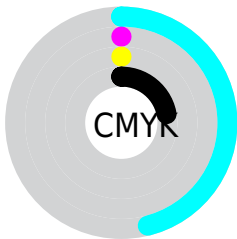
Distribution



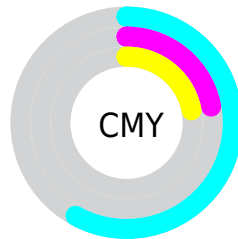
- Red (42%)
- Green (78%)
- Blue (78%)



- Red (42%)
- Yellow (60%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7956, 48.0962, 61.3770 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 36.7956, 48.0962, 61.3770 by changing the saturation by 10% instead.

■ 36.7956, 48.0962,
61.3770

■ 36.7956, 48.0962,
61.3770

323.7957,
379.1733, 447.5997

■ 25.2222, 33.9031,
44.0970

■ 69.5742, 87.3476,
108.3875

■ 16.3723, 22.8191,
30.4090

■ 91.5101, 113.1747,
138.9550

■ 9.8805, 14.4600,
19.8945

■ 117.6309,
143.6486, 174.7887

■ 5.3815, 8.4413,
12.1351

148.3019,
179.1536, 216.3072

■ 2.5098, 4.3786,
6.7121

183.8886,
220.0742, 263.9290

■ 0.9002, 1.8875,
3.2070

224.7562,

■ 0.0000, 0.5409,

266.7947, 318.0727

1.2013

271.2701,
319.6997, 379.1567

■ 0.0000, 0.0000,
0.0000

■ 36.7956, 48.0962,
61.3770

■ 36.7956, 48.0962,
61.3770

■ 34.6733, 47.0032,
61.2785

■ 39.4713, 49.4767,
61.5036

■ 33.0618, 46.1725,
61.2028

■ 42.7309, 51.1571,
61.6564

■ 31.9193, 45.5835,
61.1490


■ 46.6074, 53.1555,
61.8381


■ 31.1957, 45.2105,
61.1149


■ 51.1304, 55.4872,
62.0500

■ 30.8268, 45.0204,
61.0973


■ 56.3276, 58.1664,
62.2935

 30.7329, 44.9719,
61.0928

 62.2249, 61.2066,
62.5698

 68.8470, 64.6204,
62.8800

 71.9736, 66.2322,
63.0266

 71.9737, 66.2322,
63.0269

Harmonies

Analogous

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



36.6159, 48.0962, 46.3064



36.7956, 48.0962, 61.3770



39.2472, 48.0962, 76.4261

Triad

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



36.7956, 48.0962, 61.3770



53.4834, 48.0962, 74.3507



47.9537, 48.0962, 29.0584

Complementary

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



36.7956, 48.0962, 61.3770



31.4663, 23.7204, 16.8315

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.



52.8548, 48.0962, 33.9774



36.7956, 48.0962, 61.3770



56.2067, 48.0962, 58.9380

Square

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



36.7956, 48.0962, 61.3770



48.7598, 48.0962, 84.8389



55.9682, 48.0962, 44.2878



42.7977, 48.0962, 29.4627

Rectangle

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



36.7956, 48.0962, 61.3770



41.9534, 48.0962, 83.5683



55.9682, 48.0962, 44.2878



49.6929, 48.0962, 30.0981

Sweetspot

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



36.7970, 48.0981, 61.3781



83.1136, 93.8466, 108.3407



29.3281, 45.1320, 21.0765



17.4406, 19.9070, 23.1730



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.



36.7970, 48.0981, 61.3781



60.8469, 82.3677, 107.2966



28.0175, 30.5385, 58.4528



10.9468, 12.0676, 13.6698



19.7612, 28.9169, 39.2826



0.9357, 1.3692, 1.8600

Inverse Universe

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



31.4663, 23.7204, 16.8315



50.4226, 34.6967, 20.1849



37.3506, 35.4891, 18.7924



10.6339, 10.6370, 11.0555



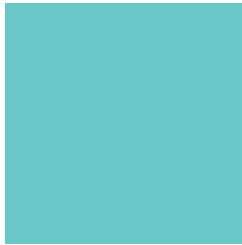
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 36.7956, 48.0962, 61.3770 looks on a white background.

Color Contrast Check

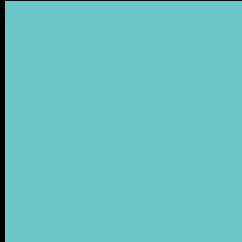
Large Text (above 18pt) WCAG AA × Fail

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 36.7956, 48.0962, 61.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

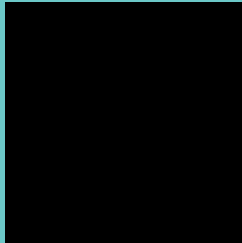
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7956, 48.0962, 61.3770

Background



This preview shows how black text looks on a background with the XYZ color 36.7956, 48.0962, 61.3770.

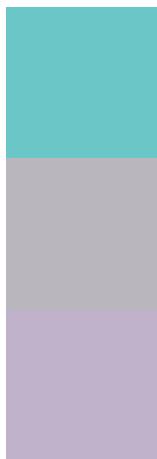


This preview shows how white text looks on a background with the XYZ color 36.7956, 48.0962,

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

36.7956, 48.0962, 61.3770

Protanopia

45.9208, 47.4443, 54.8815

Deuteranopia

48.4381, 47.3591, 63.0882



Tritanopia

38.5320, 48.1161, 70.2073

Trichromacy



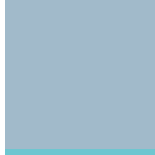
Original Color

36.7956, 48.0962, 61.3770



Protanomaly

41.5135, 46.9848, 57.3331



Deuteranomaly

42.9175, 46.9591, 62.6791



Tritanomaly

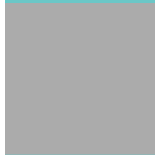
38.0097, 48.2572, 66.9858

Monochromacy



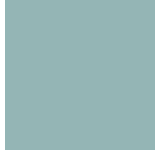
Original Color

36.7956, 48.0962, 61.3770



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.0771, 42.6798, 49.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7956, 48.0962, 61.3770 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(107, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 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(107, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.7956, 48.0962, 61.3770 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(107, 199, 199) }
```


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

```
.border{ border-color:rgb(107, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7956, 48.0962, 61.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 199) }
```

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

```
.background{ background-color: rgb(107,  
199, 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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