

Converting Colors

XYZ(36.8345, 48.3186, 61.2838)

Have a look what the booklet for
XYZ(36.8345, 48.3186, 61.2838)
contains.

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Color

**XYZ(36.9069, 48.4962,
61.4483)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC8C7
RGB	106, 200, 199
RGB Percent	42%, 78%, 78%
CMY	0.5843, 0.2157, 0.2196
CMYK	0.47, 0.00, 0.01, 0.22
HSL	179°, 46%, 60%
HSV	179°, 47%, 78%
XYZ	36.9069, 48.4962, 61.4483
YIQ	171.7800, -55.7030, -20.2390

Conversions

Conversions Part 2

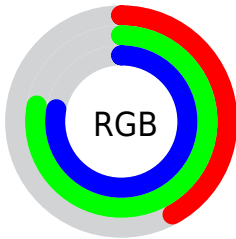
Format	Color
RYB	106, 153, 200
Decimal	6998215
CIELab	75.14, -28.06, -8.14
CIELCh	75, 29.213, 196.189
Yxy	48.4962, 0.2513, 0.3302
Android (android.graphics.Color)	4285188295 (0xFF6AC8C7)
YUV	171.7800, 13.4195, -57.6891
Hunter-Lab	69.6392, -27.2684, -3.5689

Details

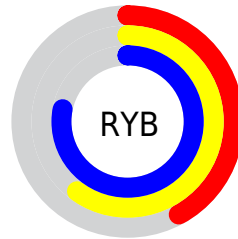
The XYZ color **36.9069, 48.4962, 61.4483** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.6289, 23.6504, 16.8095**, and the grayscale version is **39.0572, 41.0912, 44.7483**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **16.4719, 23.1600, 30.3902** is the 20% darker color. If you saturate the color by 10%, you get **34.7774, 47.4024, 61.2206**, and if you desaturate by 10%, it is **39.5936, 49.8795, 61.7044**.

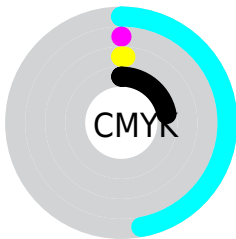
Distribution



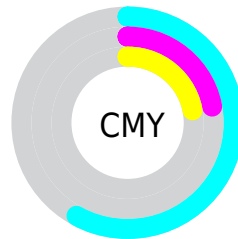
- Red (42%)
- Green (78%)
- Blue (78%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9069, 48.4962, 61.4483 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 36.9069, 48.4962, 61.4483 by changing the saturation by 10% instead.

■ 36.9069, 48.4962,
61.4483

■ 36.9069, 48.4962,
61.4483

324.2698,
380.7556, 447.8678

■ 25.3088, 34.2200,
44.1542

■ 69.7443, 87.9427,
108.4916

■ 16.4372, 23.0627,
30.4536

■ 91.7143, 113.8819,
139.0779

■ 9.9269, 14.6398,
19.9282

■ 117.8723,
144.4774, 174.9319

■ 5.4124, 8.5670,
12.1593

■ 148.5837,
180.1138, 216.4723

■ 2.5284, 4.4598,
6.7284

184.2138,
221.1754, 264.1175

■ 0.9096, 1.9340,
3.2170

225.1279,

■ 0.0000, 0.5687,

268.0467, 318.2861

1.2065

271.6915,
321.1119, 379.3967

■ 0.0000, 0.0000,
0.0000

■ 36.9069, 48.4962,
61.4483

■ 36.9069, 48.4962,
61.4483

■ 34.7774, 47.4024,
61.2206

■ 39.5936, 49.8795,
61.7044

■ 33.1615, 46.5723,
61.0160

■ 42.8685, 51.5649,
61.9872

■ 32.0167, 45.9849,
60.8336


■ 46.7654, 53.5710,
62.2992


■ 31.2913, 45.6138,
60.6711


■ 51.3143, 55.9132,
62.6420


■ 30.9158, 45.4231,
60.5251


■ 56.5434, 58.6060,
63.0167

 30.8333, 45.3814,
60.4827

 62.4791, 61.6631,
63.4248

 69.1464, 65.0973,
63.8672

 72.4032, 66.7733,
64.1502

 72.4282, 66.7834,
64.2821

Harmonies

Analogous

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



36.8117, 48.4962, 46.0809



36.9069, 48.4962, 61.4483



39.3353, 48.4962, 77.0358

Triad

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



36.9069, 48.4962, 61.4483



53.9204, 48.4962, 75.9295



48.5929, 48.4962, 29.0569

Complementary

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



36.9069, 48.4962, 61.4483



31.6289, 23.6504, 16.8095

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.



53.5861, 48.4962, 34.2750



36.9069, 48.4962, 61.4483



56.8190, 48.4962, 60.1514

Square

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



36.9069, 48.4962, 61.4483



49.0212, 48.4962, 86.4381



56.6921, 48.4962, 45.0112



43.2861, 48.4962, 29.2699

Rectangle

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



36.9069, 48.4962, 61.4483



42.0659, 48.4962, 84.5915



56.6921, 48.4962, 45.0112



50.3718, 48.4962, 30.1828

Sweetspot

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



36.9083, 48.4981, 61.4494



83.0525, 93.8222, 108.0190



29.3890, 45.5121, 20.8725



17.4255, 19.9010, 23.0936



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.



36.9083, 48.4981, 61.4494



60.2734, 82.1002, 105.9983



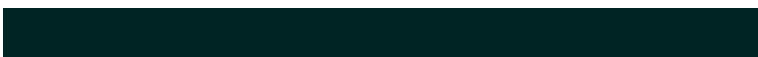
28.0200, 30.5346, 59.0626



10.9417, 12.0656, 13.6430



19.6064, 28.8550, 38.4677



0.9300, 1.3669, 1.8299

Inverse Universe

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



31.6289, 23.6504, 16.8095



50.0777, 34.1011, 19.7796



37.5591, 35.5947, 18.5277



10.6384, 10.6387, 11.0791



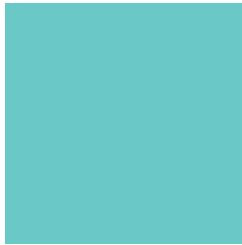
15.1548, 7.8115, 0.7590



0.7192, 0.3705, 0.0445

Previews

White Background



This preview shows how the XYZ color 36.9069, 48.4962, 61.4483 looks on a white background.

Color Contrast Check

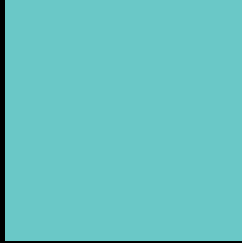
Large Text (above 18pt) WCAG AA × Fail

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 36.9069, 48.4962, 61.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

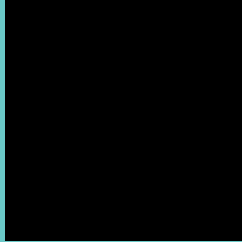
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9069, 48.4962, 61.4483

Background



This preview shows how black text looks on a background with the XYZ color 36.9069, 48.4962, 61.4483.

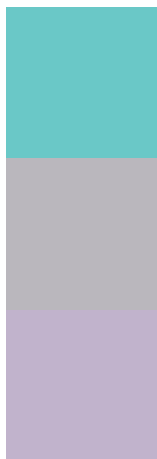


This preview shows how white text looks on a background with the XYZ color 36.9069, 48.4962,

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

36.9069, 48.4962, 61.4483

Protanopia

46.3685, 47.9802, 54.9613

Deuteranopia

49.0115, 47.9373, 63.7964



Tritanopia

38.8872, 48.6227, 70.9539

Trichromacy



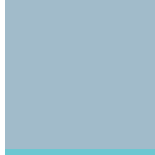
Original Color

36.9069, 48.4962, 61.4483



Protanomaly

41.7279, 47.4135, 57.4045



Deuteranomaly

43.1289, 47.3820, 62.7496



Tritanomaly

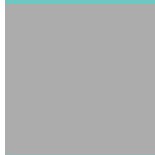
38.2387, 48.7015, 67.7065

Monochromacy



Original Color

36.9069, 48.4962, 61.4483



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.3842, 43.1292, 50.6104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9069, 48.4962, 61.4483 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(106, 200, 199)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 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(106, 200, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.9069, 48.4962, 61.4483 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(106, 200, 199) }
```


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

```
.border{ border-color:rgb(106, 200, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 199);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9069, 48.4962, 61.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 199) }
```

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

```
.background{ background-color: rgb(106,  
200, 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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