

Converting Colors

XYZ(36.0819, 46.6758, 60.2906)

Have a look what the booklet for
XYZ(36.0819, 46.6758, 60.2906)
contains.

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Color

**XYZ(36.1173, 46.7452,
60.5452)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC4C6
RGB	108, 196, 198
RGB Percent	42%, 77%, 78%
CMY	0.5765, 0.2314, 0.2235
CMYK	0.45, 0.01, 0.00, 0.22
HSL	181°, 44%, 60%
HSV	181°, 45%, 78%
XYZ	36.1173, 46.7452, 60.5452
YIQ	169.9160, -53.0900, -18.0340

Conversions

Conversions Part 2

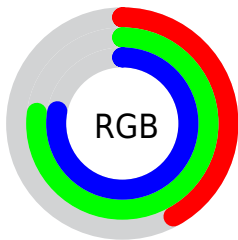
Format	Color
RYB	108, 152, 198
Decimal	7128262
CIELab	74.03, -25.89, -9.25
CIElCh	74, 27.491, 199.653
Yxy	46.7452, 0.2519, 0.3260
Android (android.graphics.Color)	4285318342 (0xFF6CC4C6)
YUV	169.9160, 13.8454, -54.3003
Hunter-Lab	68.3705, -25.3541, -4.6447

Details

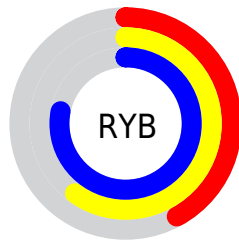
The XYZ color **36.1173, 46.7452, 60.5452** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5722, 24.2410, 17.2034**, and the grayscale version is **38.1200, 40.1052, 43.6746**.

A 20% lighter version of the original color is **68.6923, 85.4699, 107.4846**, and **15.9737, 22.0126, 29.7925** is the 20% darker color. If you saturate the color by 10%, you get **33.8787, 45.4453, 60.4131**, and if you desaturate by 10%, it is **38.9058, 48.3313, 60.7052**.

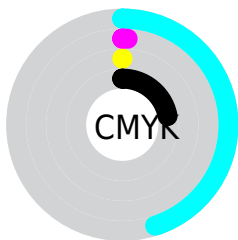
Distribution



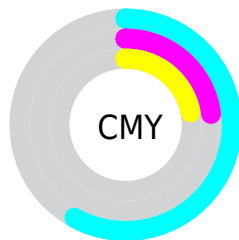
- Red (42%)
- Green (77%)
- Blue (78%)



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



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)





- Cyan (58%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1173, 46.7452, 60.5452 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 36.1173, 46.7452, 60.5452 by changing the saturation by 10% instead.

 36.1173, 46.7452,
60.5452


 36.1173, 46.7452,
60.5452


320.8953,
373.7966, 444.4648


 24.6953, 32.8343,
43.4301


 68.5358, 85.3332,
107.1712

 15.9777, 21.9995,
29.8888


 90.2630, 110.7790,
137.5192

 9.5991, 13.8565,
19.5029


 116.1560,
140.8386, 173.1153

 5.1942, 8.0210,
11.8537

146.5801,
175.8963, 214.3779

 2.3976, 4.1084,
6.5228

181.9008,
216.3366, 261.7256

 0.8439, 1.7344,
3.0916

222.4833,

 0.0000, 0.4458,

262.5438, 315.5769

1.1416

268.6930,
314.9023, 376.3505

■ 0.0000, 0.0000,
0.0000

■ 36.1173, 46.7452,
60.5452

■ 36.1173, 46.7452,
60.5452

■ 33.8787, 45.4453,
60.4131

■ 38.9058, 48.3313,
60.7052

■ 32.1483, 44.4067,
60.3038

■ 42.2740, 50.2155,
60.8914

■ 30.8853, 43.6094,
60.2165

■ 46.2546, 52.4158,
61.1063

■ 30.0407, 43.0283,
60.1489

■ 50.8764, 54.9472,
61.3513

■ 29.5544, 42.6324,
60.0981

■ 56.1667, 57.8236,
61.6276

■ 29.3973, 42.4855,
60.0780

■ 62.1511, 61.0582,
61.9366

■ 68.8537, 64.6635,
62.2792

■ 71.9765, 66.4238,
62.4544

■ 72.0781, 66.6271,
62.4883

Harmonies

Analogous

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



35.7731, 46.7452, 46.1930



36.1173, 46.7452, 60.5452



38.5926, 46.7452, 74.4154

Triad

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



36.1173, 46.7452, 60.5452



52.0221, 46.7452, 70.4903



46.1477, 46.7452, 28.6600

Complementary

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



36.1173, 46.7452, 60.5452



31.5722, 24.2410, 17.2034

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.



50.8280, 46.7452, 32.9438



36.1173, 46.7452, 60.5452



54.3815, 46.7452, 55.9112

Square

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



36.1173, 46.7452, 60.5452



47.6819, 46.7452, 80.8497



53.9291, 46.7452, 42.3335



41.3292, 46.7452, 29.4412

Rectangle

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



36.1173, 46.7452, 60.5452



41.2268, 46.7452, 80.6971



53.9291, 46.7452, 42.3335



47.7948, 46.7452, 29.5192

Sweetspot

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



36.1187, 46.7470, 60.5463



82.8614, 93.3420, 108.2573



29.1667, 44.6922, 21.6999



17.3783, 19.7824, 23.1524



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.



36.1187, 46.7470, 60.5463



59.8621, 80.3973, 106.9709



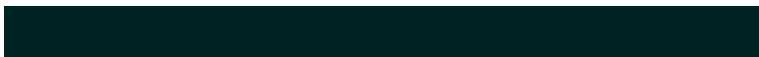
27.5257, 29.5611, 57.6820



10.9258, 12.0256, 13.6628



19.1264, 27.6467, 39.0726



0.9122, 1.3222, 1.8523

Inverse Universe

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



38.6162, 26.7176, 55.3482



64.8949, 40.4856, 96.3952



37.6348, 36.3662, 19.2243



11.0726, 10.8124, 13.3653



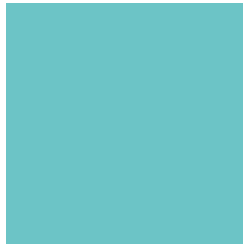
21.4534, 10.3309, 33.9273



1.0191, 0.4905, 1.6239

Previews

White Background



This preview shows how the XYZ color 36.1173, 46.7452, 60.5452 looks on a white background.

Color Contrast Check

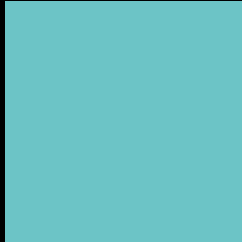
Large Text (above 18pt) WCAG AA × Fail

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 36.1173, 46.7452, 60.5452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

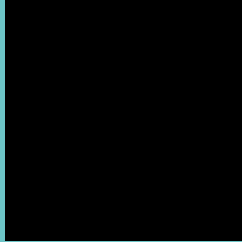
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1173, 46.7452, 60.5452

Background



This preview shows how black text looks on a background with the XYZ color 36.1173, 46.7452, 60.5452.

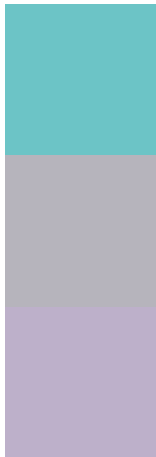


This preview shows how white text looks on a background with the XYZ color 36.1173, 46.7452,

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

36.1173, 46.7452, 60.5452

Protanopia

44.6898, 46.2184, 54.1426

Deuteranopia

47.1723, 46.1338, 62.2956



Tritanopia

37.6067, 46.6815, 68.0011

Trichromacy



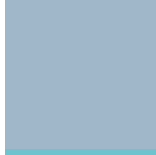
Original Color

36.1173, 46.7452, 60.5452



Protanomaly

40.5909, 45.8921, 56.5879



Deuteranomaly

41.9733, 45.5576, 61.8396



Tritanomaly

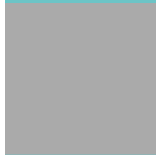
37.2112, 46.8660, 65.4773

Monochromacy



Original Color

36.1173, 46.7452, 60.5452



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.3909, 41.7385, 49.3184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1173, 46.7452, 60.5452 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, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(108, 196, 198)  
}
```

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, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 196, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.1173, 46.7452, 60.5452 is called "border". The border property can be set on classes, ids or directly on the HTML element.

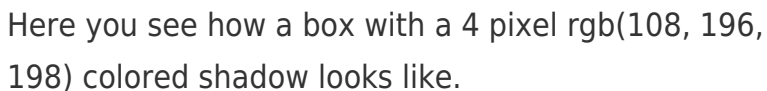
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 196, 198) }
```


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

```
.border{ border-color:rgb(108, 196, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 196, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 196, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 196, 198); box-shadow:4px 4px 4px 4px rgb(108, 196, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1173, 46.7452, 60.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 196, 198) }
```

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

```
.background{ background-color: rgb(108,  
196, 198) }
```

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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