

Converting Colors

XYZ(36.6090, 46.3550, 58.8302)

Have a look what the booklet for
XYZ(36.6090, 46.3550, 58.8302)
contains.

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Color

**XYZ(36.6133, 46.3753,
58.6514)**

Conversions

Conversions Part 1

Format	Color
Hex	76C2C3
RGB	118, 194, 195
RGB Percent	46%, 76%, 76%
CMY	0.5372, 0.2392, 0.2353
CMYK	0.39, 0.01, 0.00, 0.24
HSL	181°, 39%, 61%
HSV	181°, 39%, 76%
XYZ	36.6133, 46.3753, 58.6514
YIQ	171.3900, -45.6170, -15.8010

Conversions

Conversions Part 2

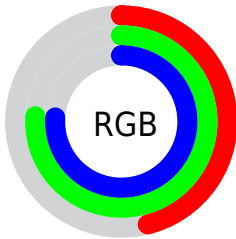
Format	Color
R_{YB}	118, 156, 195
Decimal	7783107
CIE _{Lab}	73.79, -23.21, -7.92
CIE _{LCh}	74, 24.528, 198.846
Yxy	46.3753, 0.2585, 0.3274
Android (android.graphics.Color)	4285973187 (0xFF76C2C3)
YUV	171.3900, 11.6397, -46.8230
Hunter-Lab	68.0994, -23.2044, -3.3946

Details

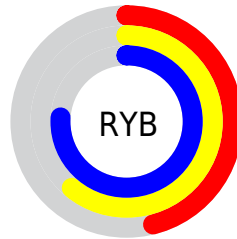
The XYZ color **36.6133, 46.3753, 58.6514** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3731, 26.1042, 20.4728**, and the grayscale version is **38.8656, 40.8896, 44.5288**.

A 20% lighter version of the original color is **69.5234, 85.0213, 104.8419**, and **16.2357, 21.7360, 28.5391** is the 20% darker color. If you saturate the color by 10%, you get **34.1783, 45.0377, 58.5224**, and if you desaturate by 10%, it is **39.5985, 47.9989, 58.8083**.

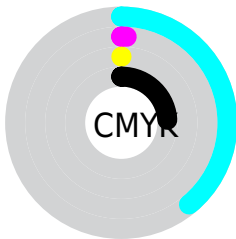
Distribution



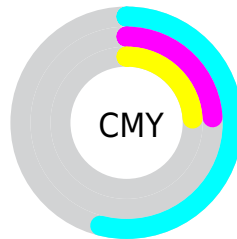
- Red (46%)
- Green (76%)
- Blue (76%)



- Red (46%)
- Yellow (61%)
- Blue (76%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (54%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6133, 46.3753, 58.6514 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 36.6133, 46.3753, 58.6514 by changing the saturation by 10% instead.

■ 36.6133, 46.3753,
58.6514

■ 36.6133, 46.3753,
58.6514

323.0180,
372.3154, 437.2747

■ 25.0805, 32.5421,
41.9144

■ 69.2953, 84.7804,
104.3950

■ 16.2661, 21.7759,
28.7092

■ 91.1753, 110.1210,
134.2386

■ 9.8047, 13.6923,
18.6173

■ 117.2351,
140.0663, 169.2882

■ 5.3309, 7.9070,
11.2200

147.8400,
175.0006, 209.9624

■ 2.4794, 4.0355,
6.0990

183.3553,
215.3082, 256.6795

■ 0.8849, 1.6934,
2.8356

224.1466,

■ 0.0000, 0.4194,

261.3736, 309.8583

1.0113

270.5790,
313.5812, 369.9171

■ 0.0000, 0.0000,
0.0000

■ 36.6133, 46.3753,
58.6514

■ 36.6133, 46.3753,
58.6514

■ 34.1783, 45.0377,
58.5224

■ 39.5985, 47.9989,
58.8083

■ 32.2554, 43.9632,
58.4163

■ 43.1610, 49.9191,
58.9911

■ 30.8083, 43.1340,
58.3325

■ 47.3308, 52.1526,
59.2025

■ 29.7940, 42.5281,
58.2690

■ 52.1347, 54.7131,
59.4435

■ 29.1619, 42.1194,
58.2235

■ 57.5979, 57.6136,
59.7154

■ 28.8199, 41.8603,
58.1915

■ 63.7444, 60.8665,
60.0193

■ 28.8045, 41.8482,
58.1899

■ 70.5968, 64.4835,
60.3563

■ 70.8361, 64.6914,
60.3838

■ 70.8932, 64.8055,
60.4028

Harmonies

Analogous

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



36.3568, 46.3753, 45.9928



36.6133, 46.3753, 58.6514



38.7901, 46.3753, 70.8079

Triad

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



36.6133, 46.3753, 58.6514



50.6943, 46.3753, 67.9937



45.7195, 46.3753, 30.4178

Complementary

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



36.6133, 46.3753, 58.6514



32.3731, 26.1042, 20.4728

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.



49.8266, 46.3753, 34.4934



36.6133, 46.3753, 58.6514



52.8224, 46.3753, 55.2815

Square

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



36.6133, 46.3753, 58.6514



46.8413, 46.3753, 76.7854



52.4948, 46.3753, 43.1318



41.4262, 46.3753, 31.0161

Rectangle

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



36.6133, 46.3753, 58.6514



41.1227, 46.3753, 76.3490



52.4948, 46.3753, 43.1318



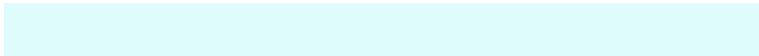
47.1723, 46.3753, 31.2556

Sweetspot

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



36.6147, 46.3771, 58.6525



82.6426, 92.2680, 105.9236



30.2572, 44.1907, 24.0754



17.8745, 20.0862, 23.1849



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.



36.6147, 46.3771, 58.6525



61.9114, 81.0483, 104.8506



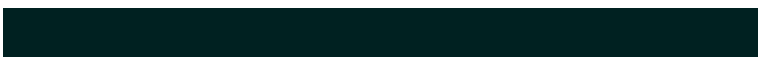
29.2950, 31.7378, 56.2126



10.3570, 11.4053, 12.9404



18.7262, 27.2089, 37.8215



0.8127, 1.1829, 1.6354

Inverse Universe

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



38.7228, 28.4550, 54.4925



66.2041, 44.7336, 96.3395



37.7491, 36.8562, 22.2648



10.4915, 10.2452, 12.6788



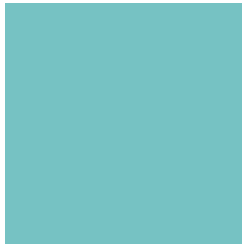
20.8481, 10.0290, 33.4417



0.9026, 0.4341, 1.4546

Previews

White Background



This preview shows how the XYZ color 36.6133, 46.3753, 58.6514 looks on a white background.

Color Contrast Check

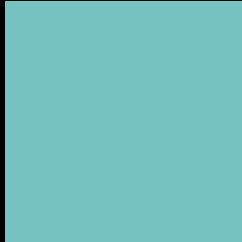
Large Text (above 18pt) WCAG AA × Fail

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 36.6133, 46.3753, 58.6514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

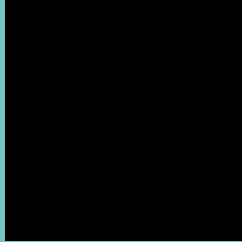
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6133, 46.3753, 58.6514

Background



This preview shows how black text looks on a background with the XYZ color 36.6133, 46.3753, 58.6514.



This preview shows how white text looks on a background with the XYZ color 36.6133, 46.3753,

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

36.6133, 46.3753, 58.6514

Protanopia

44.2744, 45.7305, 52.9477

Deuteranopia

46.8204, 45.9930, 60.4427



Tritanopia

38.1200, 46.3183, 66.6057

Trichromacy



Original Color

36.6133, 46.3753, 58.6514

Protanomaly

40.6239, 45.3260, 54.7518

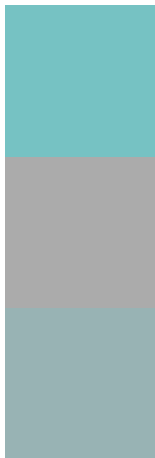
Deuteranomaly

42.2308, 45.7307, 60.0272

Tritanomaly

37.5952, 46.4448, 63.4832

Monochromacy



Original Color

36.6133, 46.3753, 58.6514

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.3072, 42.2109, 49.3612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6133, 46.3753, 58.6514 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(118, 194, 195)` looks like.

```
.text, #text, p{  
    color:rgb(118, 194, 195)  
}
```

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(118, 194, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 194, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.6133, 46.3753, 58.6514 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(118, 194, 195) }
```


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

```
.border{ border-color:rgb(118, 194, 195) }
```

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

Here you see how a box with a 4 pixel rgb(118, 194, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 194, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 194, 195);  
box-shadow:4px 4px 4px 4px rgb(118, 194,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6133, 46.3753, 58.6514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 194, 195) }
```

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

```
.background{ background-color: rgb(118,  
194, 195) }
```

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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