

Converting Colors

XYZ(36.5561, 48.8507, 51.3390)

Have a look what the booklet for
XYZ(36.5561, 48.8507, 51.3390)
contains.

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Color

**XYZ(36.5633, 48.8914,
51.2260)**

Conversions

Conversions Part 1

Format	Color
Hex	75C9B5
RGB	117, 201, 181
RGB Percent	46%, 79%, 71%
CMY	0.5412, 0.2118, 0.2902
CMYK	0.42, 0.00, 0.10, 0.21
HSL	166°, 44%, 62%
HSV	166°, 42%, 79%
XYZ	36.5633, 48.8914, 51.2260
YIQ	173.6040, -43.6440, -24.0280

Conversions

Conversions Part 2

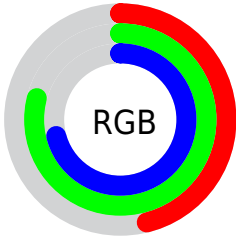
Format	Color
RYB	117, 165, 201
Decimal	7719349
CIELab	75.38, -30.25, 2.01
CIElCh	75, 30.321, 176.205
Yxy	48.8914, 0.2675, 0.3577
Android (android.graphics.Color)	4285909429 (0xFF75C9B5)
YUV	173.6040, 3.6462, -49.6417
Hunter-Lab	69.9224, -29.0243, 5.5091

Details

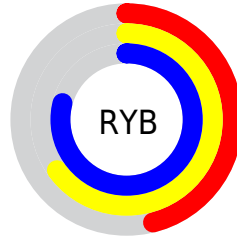
The XYZ color **36.5633, 48.8914, 51.2260** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.9658, 26.9476, 27.0274**, and the grayscale version is **40.0282, 42.1127, 45.8608**.

A 20% lighter version of the original color is **68.2796, 86.5187, 93.2218**, and **16.3166, 23.4501, 24.0884** is the 20% darker color. If you saturate the color by 10%, you get **33.6647, 47.4541, 48.5713**, and if you desaturate by 10%, it is **40.0614, 50.6382, 53.9989**.

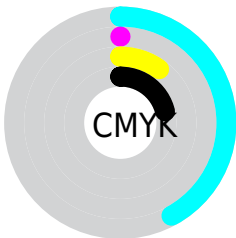
Distribution



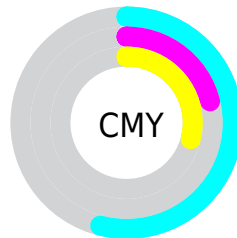
- Red (46%)
- Green (79%)
- Blue (71%)



- Red (46%)
- Yellow (65%)
- Blue (79%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)





- Cyan (54%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5633, 48.8914, 51.2260 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 36.5633, 48.8914, 51.2260 by changing the saturation by 10% instead.


 36.5633, 48.8914,
51.2260


 36.5633, 48.8914,
51.2260


322.8044,
382.3146, 408.3128


 25.0417, 34.5333,
36.0105


 69.2188, 88.5301,
93.4037

 16.2370, 23.3036,
24.1526


 91.0834, 114.5796,
121.2029

 9.7839, 14.8179,
15.2336


 117.1264,
145.2950, 154.0339

 5.3171, 8.6917,
8.8350

147.7131,
181.0607, 192.3151

 2.4711, 4.5406,
4.5384

183.2090,
222.2611, 236.4650

 0.8807, 1.9803,
1.9251

223.9792,

 0.0000, 0.5960,

269.2807, 286.9023

0.5086

270.3892,
322.5037, 344.0453

■ 0.0000, 0.0000,
0.0000

■ 36.5633, 48.8914,
51.2260

■ 36.5633, 48.8914,
51.2260

■ 33.6647, 47.4541,
48.5713

■ 40.0614, 50.6382,
53.9989

■ 31.3238, 46.3012,
46.0290

■ 44.1891, 52.7065,
56.8892

■ 29.5000, 45.4129,
43.5971


■ 48.9795, 55.1143,
59.9003


■ 28.1451, 44.7645,
41.2726


■ 54.4620, 57.8770,
63.0344


■ 27.2016, 44.3263,
39.0519


■ 60.6644, 61.0087,
66.2936

 26.6489, 44.0795,
37.3018

 67.6129, 64.5230,
69.6801

 74.3297, 67.9159,
73.1487

 74.9521, 68.1648,
76.4260

 75.5926, 68.4210,
79.7988

Harmonies

Analogous

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



38.1100, 48.8914, 37.9040



36.5633, 48.8914, 51.2260



37.4910, 48.8914, 67.9921

Triad

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



36.5633, 48.8914, 51.2260



51.3715, 48.8914, 85.8450



52.6981, 48.8914, 31.5604

Complementary

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



36.5633, 48.8914, 51.2260



34.9658, 26.9476, 27.0274

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.



56.7786, 48.8914, 40.7834



36.5633, 48.8914, 51.2260



55.9707, 48.8914, 72.2246

Square

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



36.5633, 48.8914, 51.2260



45.7631, 48.8914, 90.1667



58.0212, 48.8914, 55.2947



47.1837, 48.8914, 28.0795

Rectangle

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



36.5633, 48.8914, 51.2260



39.4314, 48.8914, 78.6432



58.0212, 48.8914, 55.2947



54.2995, 48.8914, 33.9889

Sweetspot

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



36.5647, 48.8934, 51.2271



82.6432, 93.7479, 101.8212



34.5803, 48.4629, 24.3623



17.2823, 19.8613, 21.5445



0.0000, 0.0000, 0.0000



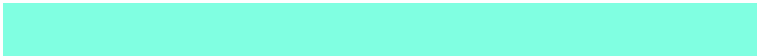
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5647, 48.8934, 51.2271



58.1286, 81.4871, 83.6418



34.2016, 40.6433, 61.3029



10.8345, 12.0227, 13.0789



16.7923, 27.7293, 23.6487



0.8220, 1.3237, 1.2612

Inverse Universe

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



34.9658, 26.9476, 27.0274



55.0536, 39.0320, 36.9169



36.3884, 31.8803, 21.0663



10.7357, 10.6777, 11.5913



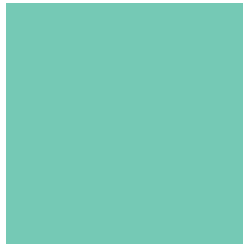
15.5092, 7.9532, 2.6251



0.7637, 0.3883, 0.2788

Previews

White Background



This preview shows how the XYZ color 36.5633, 48.8914, 51.2260 looks on a white background.

Color Contrast Check

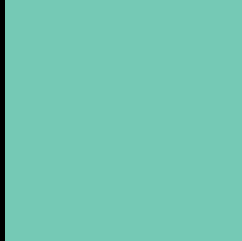
Large Text (above 18pt) WCAG AA × Fail

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 36.5633, 48.8914, 51.2260 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 36.5633, 48.8914, 51.2260

Background



This preview shows how black text looks on a background with the XYZ color 36.5633, 48.8914, 51.2260.

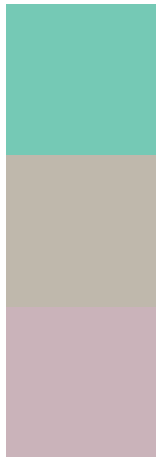


This preview shows how white text looks on a background with the XYZ color 36.5633, 48.8914,

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

36.5633, 48.8914, 51.2260

Protanopia

46.0727, 48.3359, 45.9312

Deuteranopia

49.3401, 48.3419, 53.1848



Tritanopia

40.0810, 48.5933, 69.5543

Trichromacy



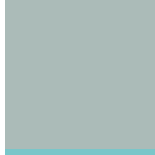
Original Color

36.5633, 48.8914, 51.2260



Protanomaly

41.4612, 47.8146, 47.6013



Deuteranomaly

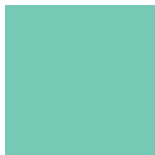
43.2166, 47.6593, 52.2688



Tritanomaly

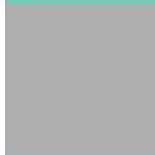
38.7627, 48.7428, 62.6236

Monochromacy



Original Color

36.5633, 48.8914, 51.2260



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2132, 44.2276, 48.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5633, 48.8914, 51.2260 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(117, 201, 181)` looks like.

```
.text, #text, p{  
    color:rgb(117, 201, 181)  
}
```

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(117, 201, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 181) }
```

Border

The CSS property to change the border of an element to XYZ 36.5633, 48.8914, 51.2260 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(117, 201, 181) }
```


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

```
.border{ border-color:rgb(117, 201, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 201, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 181);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5633, 48.8914, 51.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 181) }
```

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

```
.background{ background-color: rgb(117,  
201, 181) }
```

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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