

Converting Colors

XYZ(36.1473, 47.1189, 58.9684)

Have a look what the booklet for
XYZ(36.1473, 47.1189, 58.9684)
contains.

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Color

**XYZ(36.1233, 47.1238,
58.8217)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC5C3
RGB	109, 197, 195
RGB Percent	43%, 77%, 76%
CMY	0.5725, 0.2274, 0.2353
CMYK	0.45, 0.00, 0.01, 0.23
HSL	179°, 43%, 60%
HSV	179°, 45%, 77%
XYZ	36.1233, 47.1238, 58.8217
YIQ	170.4600, -51.8060, -19.2780

Conversions

Conversions Part 2

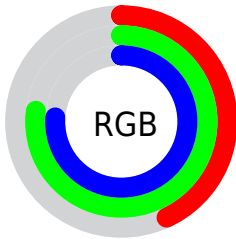
Format	Color
RYB	109, 154, 197
Decimal	7194051
CIELab	74.27, -26.91, -7.25
CIELCh	74, 27.874, 195.080
Yxy	47.1238, 0.2543, 0.3317
Android (android.graphics.Color)	4285384131 (0xFF6DC5C3)
YUV	170.4600, 12.0982, -53.9004
Hunter-Lab	68.6468, -26.2016, -2.7514

Details

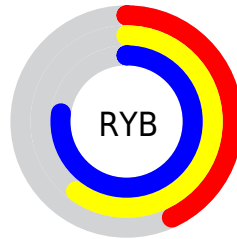
The XYZ color **36.1233, 47.1238, 58.8217** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3655, 23.9568, 18.0117**, and the grayscale version is **38.3993, 40.3991, 43.9946**.

A 20% lighter version of the original color is **68.5803, 85.9556, 104.2433**, and **15.9954, 22.2718, 28.6551** is the 20% darker color. If you saturate the color by 10%, you get **33.9159, 45.9928, 58.4553**, and if you desaturate by 10%, it is **38.8767, 48.5385, 59.2165**.

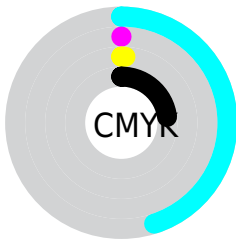
Distribution



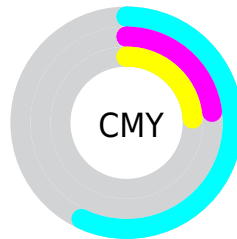
- Red (43%)
- Green (77%)
- Blue (76%)



- Red (43%)
- Yellow (60%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1233, 47.1238, 58.8217 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 36.1233, 47.1238, 58.8217 by changing the saturation by 10% instead.

■ 36.1233, 47.1238,
58.8217

■ 36.1233, 47.1238,
58.8217

320.9210,
375.3085, 437.9243

■ 24.7000, 33.1335,
42.0505

■ 68.5450, 85.8984,
104.6451

■ 15.9812, 22.2288,
28.8150

■ 90.2740, 111.4515,
134.5343

■ 9.6016, 14.0251,
18.6965

■ 116.1690,
141.6277, 169.6334

■ 5.1959, 8.1381,
11.2766

146.5954,
176.8113, 210.3608

■ 2.3986, 4.1835,
6.1367

181.9184,
217.3868, 257.1350

■ 0.8444, 1.7767,
2.8583

222.5034,

■ 0.0000, 0.4726,

263.7386, 310.3746

1.0227

268.7158,
316.2510, 370.4982

■ 0.0000, 0.0000,
0.0000

■ 36.1233, 47.1238,
58.8217

■ 36.1233, 47.1238,
58.8217

■ 33.9159, 45.9928,
58.4553

■ 38.8767, 48.5385,
59.2165

■ 32.2137, 45.1211,
58.1123

■ 42.2053, 50.2486,
59.6380

■ 30.9767, 44.4893,
57.7919


■ 46.1411, 52.2717,
60.0887

■ 30.1573, 44.0726,
57.4918


■ 50.7126, 54.6224,
60.5700

■ 29.6975, 43.8413,
57.2093


■ 55.9466, 57.3147,
61.0830

 29.5393, 43.7629,
57.0631

 61.8680, 60.3614,
61.6290

 68.5009, 63.7748,
62.2092

 71.4678, 65.2983,
62.6185

 71.5198, 65.3191,
62.8922

Harmonies

Analogous

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



36.1173, 47.1238, 44.5342



36.1233, 47.1238, 58.8217



38.3307, 47.1238, 73.4111

Triad

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



36.1233, 47.1238, 58.8217



51.9575, 47.1238, 73.3418



47.3141, 47.1238, 29.0151

Complementary

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



36.1233, 47.1238, 58.8217



31.3655, 23.9568, 18.0117

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.



51.9365, 47.1238, 34.1598



36.1233, 47.1238, 58.8217



54.7500, 47.1238, 58.7400

Square

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



36.1233, 47.1238, 58.8217



47.3412, 47.1238, 82.7972



54.7421, 47.1238, 44.4663



42.3317, 47.1238, 29.0287

Rectangle

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



36.1233, 47.1238, 58.8217



40.8550, 47.1238, 80.5922



54.7421, 47.1238, 44.4663



48.9693, 47.1238, 30.1491

Sweetspot

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



36.1247, 47.1256, 58.8228



83.7671, 94.1974, 107.7395



29.4017, 44.4788, 21.5049



17.5627, 19.9735, 23.0206



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.



36.1247, 47.1256, 58.8228



60.6862, 82.3426, 104.6808



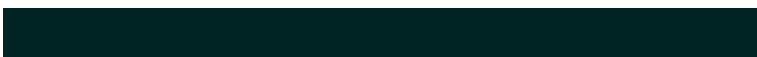
28.2636, 31.0387, 57.3267



10.9359, 12.0632, 13.6126



19.4332, 28.7856, 37.5551



0.9235, 1.3644, 1.7961

Inverse Universe

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



31.3655, 23.9568, 18.0117



51.0528, 35.4192, 22.0530



36.7050, 34.8102, 19.2537



10.6435, 10.6408, 11.1059



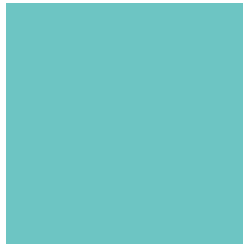
15.1656, 7.8158, 0.8159



0.7216, 0.3715, 0.0570

Previews

White Background



This preview shows how the XYZ color 36.1233, 47.1238, 58.8217 looks on a white background.

Color Contrast Check

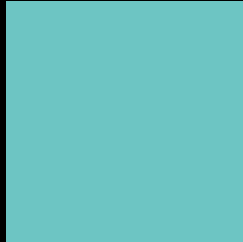
Large Text (above 18pt) WCAG AA × Fail

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 36.1233, 47.1238, 58.8217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

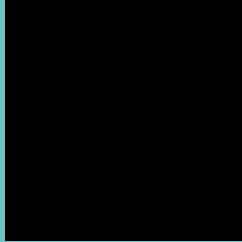
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1233, 47.1238, 58.8217

Background



This preview shows how black text looks on a background with the XYZ color 36.1233, 47.1238, 58.8217.

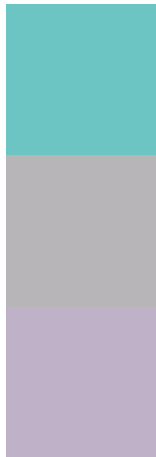


This preview shows how white text looks on a background with the XYZ color 36.1233, 47.1238,

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

36.1233, 47.1238, 58.8217

Protanopia

45.0480, 46.7409, 52.5465

Deuteranopia

47.5168, 46.6442, 60.5317



Tritanopia

38.0874, 47.2608, 68.0876

Trichromacy



Original Color

36.1233, 47.1238, 58.8217

Protanomaly

40.8603, 46.3829, 54.9433

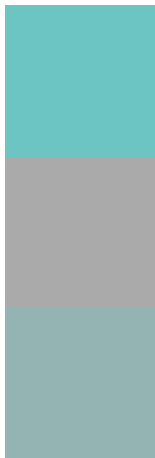
Deuteranomaly

42.0315, 45.9353, 60.0772

Tritanomaly

37.4415, 47.3324, 64.9203

Monochromacy



Original Color

36.1233, 47.1238, 58.8217

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.6707, 42.1931, 48.8592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1233, 47.1238, 58.8217 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(109, 197, 195)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 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(109, 197, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.1233, 47.1238, 58.8217 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(109, 197, 195) }
```


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

```
.border{ border-color:rgb(109, 197, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 195);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1233, 47.1238, 58.8217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 195) }
```

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

```
.background{ background-color: rgb(109,  
197, 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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