

Converting Colors

XYZ(48.0659, 51.8012, 17.5447)

Have a look what the booklet for
XYZ(48.0659, 51.8012, 17.5447)
contains.

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Color

**XYZ(48.0768, 51.8958,
17.6082)**

Conversions

Conversions Part 1

Format	Color
Hex	D6BE5C
RGB	214, 190, 92
RGB Percent	84%, 75%, 36%
CMY	0.1608, 0.2549, 0.6392
CMYK	0.00, 0.11, 0.57, 0.16
HSL	48°, 60%, 60%
HSV	48°, 57%, 84%
XYZ	48.0768, 51.8958, 17.6082
YIQ	186.0040, 45.7620, -25.3900

Conversions

Conversions Part 2

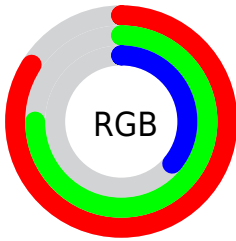
Format	Color
RYB	122, 214, 92
Decimal	14073436
CIELab	77.22, -3.42, 51.76
CIElCh	77, 51.871, 93.780
Yxy	51.8958, 0.4089, 0.4414
Android (android.graphics.Color)	4292263516 (0xFFD6BE5C)
YUV	186.0040, -46.3440, 24.5525
Hunter-Lab	72.0387, -6.9415, 35.9351

Details

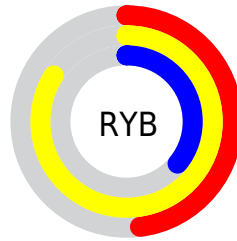
The XYZ color **48.0768, 51.8958, 17.6082** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **22.7965, 19.6205, 66.2037**, and the grayscale version is **46.9091, 49.3520, 53.7443**.

A 20% lighter version of the original color is **79.3066, 89.2159, 39.8285**, and **23.2333, 25.2126, 5.6495** is the 20% darker color. If you saturate the color by 10%, you get **46.3722, 49.7782, 13.0587**, and if you desaturate by 10%, it is **50.0744, 54.1766, 23.5599**.

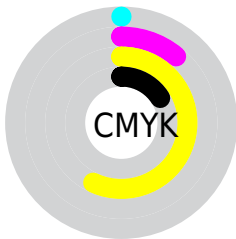
Distribution



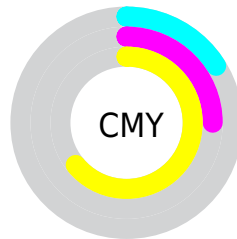
- Red (84%)
- Green (75%)
- Blue (36%)



- Red (48%)
- Yellow (84%)
- Blue (36%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)
- Black (16%)



- Cyan (16%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0768, 51.8958, 17.6082 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 48.0768, 51.8958, 17.6082 by changing the saturation by 10% instead.

■ 48.0768, 51.8958,
17.6082

■ 48.0768, 51.8958,
17.6082

369.6740,
394.0342, 250.8148

■ 34.0992, 36.9220,
10.5025

■ 86.5277, 92.9775,
40.1734

■ 23.1331, 25.1471,
5.6235

■ 111.7318,
119.8543, 56.4701

■ 14.8130, 16.1867,
2.5525

■ 141.4088,
151.4675, 76.6675

■ 8.7737, 9.6564,
0.8678

■ 175.9239,
188.2016, 101.1842

■ 4.6498, 5.1717,
0.0000

215.6427,
230.4409, 130.4388

■ 2.0759, 2.3484,
0.0000

260.9304,

■ 0.6761, 0.7991,

278.5698, 164.8497

0.0000

312.1524,
332.9728, 204.8355

■ 0.0000, 0.0000,
0.0000

■ 48.0768, 51.8958,
17.6082

■ 48.0768, 51.8958,
17.6082

■ 46.3722, 49.7782,
13.0587

■ 50.0744, 54.1766,
23.5599

■ 44.9338, 47.8070,
9.7876

■ 52.3817, 56.6218,
31.0172

■ 43.7358, 45.9733,
7.6549

■ 55.0186, 59.2417,
40.0776

■ 42.7428, 44.2626,
6.4746

■ 58.0018, 62.0432,
50.8291

■ 42.4670, 43.7673,
6.2097

■ 61.3472, 65.0331,
63.3537

■ 65.0695, 68.2176,
77.7278

■ 69.1825, 71.6025,
94.0233

■ 72.3502, 74.6537,
105.2041

■ 73.4933, 76.9399,
105.5851

Harmonies

Analogous

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



58.2561, 51.8958, 20.2644



48.0768, 51.8958, 17.6082



39.4483, 51.8958, 22.1399

Triad

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



48.0768, 51.8958, 17.6082



35.0902, 51.8958, 92.7091



68.5240, 51.8958, 84.2881

Complementary

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



48.0768, 51.8958, 17.6082



22.7965, 19.6205, 66.2037

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.



60.7273, 51.8958, 115.2682



48.0768, 51.8958, 17.6082



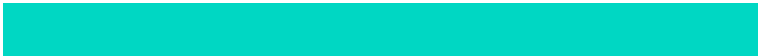
41.3575, 51.8958, 121.1670

Square

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



48.0768, 51.8958, 17.6082



32.6140, 51.8958, 60.1895



50.5954, 51.8958, 130.5632



70.9476, 51.8958, 52.9754

Rectangle

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



48.0768, 51.8958, 17.6082



35.4634, 51.8958, 29.9514



50.5954, 51.8958, 130.5632



66.3975, 51.8958, 95.3897

Sweetspot

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



48.0780, 51.8982, 17.6092



86.1797, 92.1962, 75.3096



34.7347, 23.2212, 19.2973



18.2445, 19.5482, 15.3820



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.



48.0780, 51.8982, 17.6092



68.5769, 73.5214, 18.4797



44.2012, 58.2599, 19.0415



13.2557, 14.0856, 13.1808



25.7429, 26.6030, 3.7781



1.6069, 1.7129, 0.2459

Inverse Universe

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



22.7965, 19.6205, 66.2037



27.7063, 21.4185, 97.2816



24.9578, 17.1458, 65.6121



11.9384, 12.4002, 15.7018



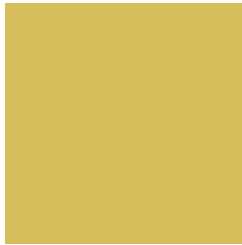
7.8971, 4.0560, 38.8198



0.5350, 0.3621, 2.3610

Previews

White Background



This preview shows how the XYZ color 48.0768, 51.8958, 17.6082 looks on a white background.

Color Contrast Check

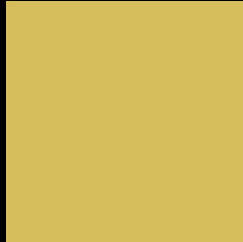
Large Text (above 18pt) WCAG AA × Fail

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 48.0768, 51.8958, 17.6082 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 48.0768, 51.8958, 17.6082

Background



This preview shows how black text looks on a background with the XYZ color 48.0768, 51.8958, 17.6082.



This preview shows how white text looks on a background with the XYZ color 48.0768, 51.8958,

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

48.0768, 51.8958, 17.6082

Protanopia

47.4265, 51.8832, 17.6400

Deuteranopia

53.0093, 51.9262, 17.8185



Tritanopia

56.1772, 51.7784, 57.4855

Trichromacy



Original Color

48.0768, 51.8958, 17.6082

Protanomaly

47.7139, 52.0314, 17.6535

Deuteranomaly

51.0033, 51.8191, 17.6699

Tritanomaly

52.4494, 51.4829, 38.6253

Monochromacy



Original Color

48.0768, 51.8958, 17.6082

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2028, 49.5434, 36.8335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0768, 51.8958, 17.6082 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(214, 190, 92)` looks like.

```
.text, #text, p{  
    color:rgb(214, 190, 92)  
}
```

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(214, 190, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 190, 92) }
```

Border

The CSS property to change the border of an element to XYZ 48.0768, 51.8958, 17.6082 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(214, 190, 92) }
```


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

```
.border{ border-color:rgb(214, 190, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 190, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 190, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 190, 92);  
box-shadow:4px 4px 4px 4px rgb(214, 190,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0768, 51.8958, 17.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 190, 92) }
```

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

```
.background{ background-color: rgb(214,  
190, 92) }
```

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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