

Converting Colors

XYZ(48.5346, 50.7139, 18.3107)

Have a look what the booklet for
XYZ(48.5346, 50.7139, 18.3107)
contains.

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Color

**XYZ(48.5837, 50.8678,
18.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	DABA60
RGB	218, 186, 96
RGB Percent	85%, 73%, 38%
CMY	0.1451, 0.2706, 0.6235
CMYK	0.00, 0.15, 0.56, 0.15
HSL	44°, 62%, 62%
HSV	44°, 56%, 85%
XYZ	48.5837, 50.8678, 18.3242
YIQ	185.3080, 47.9620, -21.2060

Conversions

Conversions Part 2

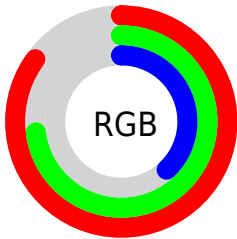
Format	Color
RYB	139, 218, 96
Decimal	14334560
CIELab	76.60, 0.65, 49.23
CIELCh	77, 49.236, 89.247
Yxy	50.8678, 0.4125, 0.4319
Android (android.graphics.Color)	4292524640 (0xFFDABA60)
YUV	185.3080, -44.0288, 28.6709
Hunter-Lab	71.3217, -3.2203, 34.6922

Details

The XYZ color **48.5837, 50.8678, 18.3242** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.1977, 22.9863, 69.4381**, and the grayscale version is **46.5057, 48.9277, 53.2822**.

A 20% lighter version of the original color is **78.4169, 86.9342, 41.0807**, and **23.3584, 24.4381, 5.9685** is the 20% darker color. If you saturate the color by 10%, you get **46.5358, 48.1618, 13.3579**, and if you desaturate by 10%, it is **50.9605, 53.7864, 24.7740**.

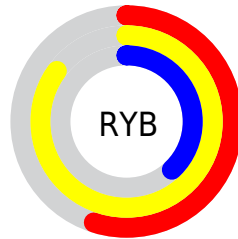
Distribution



Red (85%)

Green (73%)

Blue (38%)



Red (55%)

Yellow (85%)

Blue (38%)

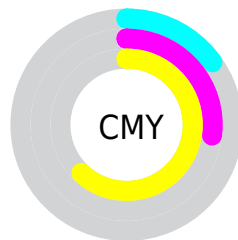


Cyan (0%)

Magenta (15%)

Yellow (56%)

Black (15%)



Cyan (15%)

Magenta (27%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5837, 50.8678, 18.3242 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 48.5837, 50.8678, 18.3242 by changing the saturation by 10% instead.

■ 48.5837, 50.8678,
18.3242

■ 48.5837, 50.8678,
18.3242

371.6453,
390.0499, 254.9893

■ 34.5025, 36.1034,
11.0112

■ 87.2773, 91.4593,
41.4104

■ 23.4446, 24.5141,
5.9601

■ 112.6204,
118.0553, 58.0205

■ 15.0447, 15.7154,
2.7524

■ 142.4483,
149.3638, 78.5669

■ 8.9373, 9.3230,
0.9697

■ 177.1261,
185.7694, 103.4679

■ 4.7571, 4.9524,
0.0000

217.0194,
227.6564, 133.1420

■ 2.1387, 2.2194,
0.0000

262.4935,

■ 0.7101, 0.7305,

275.4093, 168.0080

0.0000

313.9137,
329.4123, 208.4842

■ 0.0000, 0.0000,
0.0000

■ 48.5837, 50.8678,
18.3242

■ 48.5837, 50.8678,
18.3242

■ 46.5358, 48.1618,
13.3579

■ 50.9605, 53.7864,
24.7740

■ 44.7890, 45.6504,
9.7474

■ 53.6840, 56.9197,
32.8148

■ 43.3164, 43.3241,
7.3484

■ 56.7750, 60.2789,
42.5473

■ 42.0832, 41.1679,
5.9810

■ 60.2513, 63.8719,
54.0633

■ 41.6283, 40.3354,
5.5915

■ 64.1295, 67.7062,
67.4478

■ 68.4254, 71.7888,
82.7804

■ 73.1535, 76.1266,
100.1361

■ 75.7474, 79.6936,
105.9978

■ 77.3807, 82.9601,
106.5422

Harmonies

Analogous

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



58.0866, 50.8678, 21.9893



48.5837, 50.8678, 18.3242



40.1226, 50.8678, 21.6277

Triad

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



48.5837, 50.8678, 18.3242



34.3568, 50.8678, 84.3846



65.4126, 50.8678, 85.9375

Complementary

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



48.5837, 50.8678, 18.3242



25.1977, 22.9863, 69.4381

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.



57.6278, 50.8678, 113.2065



48.5837, 50.8678, 18.3242



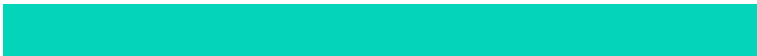
39.7643, 50.8678, 112.1260

Square

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



48.5837, 50.8678, 18.3242



32.5734, 50.8678, 54.7161



48.1137, 50.8678, 124.0493



68.5369, 50.8678, 56.0621

Rectangle

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



48.5837, 50.8678, 18.3242



36.0212, 50.8678, 28.2178



48.1137, 50.8678, 124.0493



63.2086, 50.8678, 96.0236

Sweetspot

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



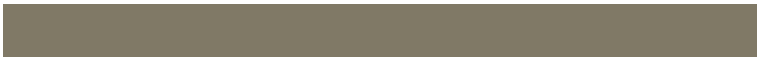
48.5849, 50.8702, 18.3252



85.3194, 90.4756, 75.0228



37.0281, 24.8443, 23.4511



18.0400, 19.1391, 15.3138



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.



48.5849, 50.8702, 18.3252



65.9408, 68.0917, 18.0859



48.3017, 61.8744, 20.4642



13.8582, 14.6558, 13.8240



25.0317, 24.3489, 3.3805



1.6903, 1.7147, 0.2419

Inverse Universe

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



25.1977, 22.9863, 69.4381



29.5640, 24.8005, 97.8365



25.2180, 17.7483, 68.4260



12.6150, 13.1697, 16.5293



8.5382, 4.9458, 40.2430



0.6231, 0.4603, 2.6305

Previews

White Background



This preview shows how the XYZ color 48.5837, 50.8678, 18.3242 looks on a white background.

Color Contrast Check

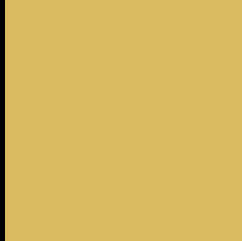
Large Text (above 18pt) WCAG AA × Fail

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 48.5837, 50.8678, 18.3242 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 48.5837, 50.8678, 18.3242

Background



This preview shows how black text looks on a background with the XYZ color 48.5837, 50.8678, 18.3242.



This preview shows how white text looks on a background with the XYZ color 48.5837, 50.8678,

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

48.5837, 50.8678, 18.3242

Protanopia

46.6498, 50.8136, 18.6586

Deuteranopia

51.7576, 50.6614, 18.3600



Tritanopia

56.0747, 50.8935, 55.0121

Trichromacy



Original Color

48.5837, 50.8678, 18.3242

Protanomaly

47.2923, 50.8266, 18.6272

Deuteranomaly

50.5642, 50.6499, 18.4206

Tritanomaly

52.6691, 50.6970, 38.0199

Monochromacy



Original Color

48.5837, 50.8678, 18.3242

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1247, 48.8681, 37.1385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5837, 50.8678, 18.3242 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(218, 186, 96)` looks like.

```
.text, #text, p{  
    color:rgb(218, 186, 96)  
}
```

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(218, 186, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 186, 96) }
```

Border

The CSS property to change the border of an element to XYZ 48.5837, 50.8678, 18.3242 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(218, 186, 96) }
```


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

```
.border{ border-color:rgb(218, 186, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 186, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 186, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 186, 96);  
box-shadow:4px 4px 4px 4px rgb(218, 186,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5837, 50.8678, 18.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 186, 96) }
```

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

```
.background{ background-color: rgb(218,  
186, 96) }
```

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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