

Converting Colors

XYZ(52.2170, 51.2448, 16.3716)

Have a look what the booklet for
XYZ(52.2170, 51.2448, 16.3716)
contains.

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Color

**XYZ(52.2170, 51.2448,
16.3716)**

Conversions

Conversions Part 1

Format	Color
Hex	EAB558
RGB	234, 181, 88
RGB Percent	92%, 71%, 35%
CMY	0.0824, 0.2902, 0.6549
CMYK	0.00, 0.23, 0.62, 0.08
HSL	38°, 78%, 63%
HSV	38°, 62%, 92%
XYZ	52.2170, 51.2448, 16.3716
YIQ	186.2450, 61.4410, -17.6870

Conversions

Conversions Part 2

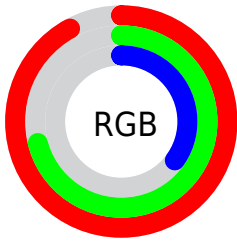
Format	Color
RYB	171, 234, 88
Decimal	15381848
CIELab	76.83, 9.39, 53.70
CIELCh	77, 54.511, 80.081
Yxy	51.2448, 0.4357, 0.4276
Android (android.graphics.Color)	4293571928 (0xFFEAB558)
YUV	186.2450, -48.4348, 41.8811
Hunter-Lab	71.5855, 4.9297, 36.5502

Details

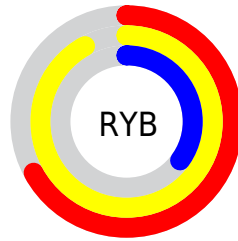
The XYZ color **52.2170, 51.2448, 16.3716** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **28.4001, 27.0637, 81.5684**, and the grayscale version is **47.0498, 49.5000, 53.9055**.

A 20% lighter version of the original color is **76.3319, 83.7515, 37.3418**, and **25.7168, 24.6797, 5.0773** is the 20% darker color. If you saturate the color by 10%, you get **49.7245, 47.5700, 11.5021**, and if you desaturate by 10%, it is **55.1283, 55.2596, 22.9160**.

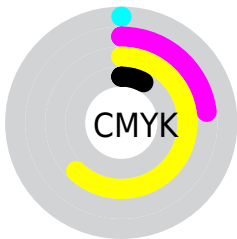
Distribution



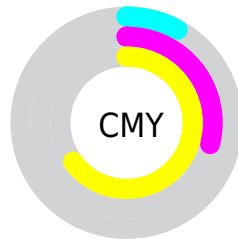
- Red (92%)
- Green (71%)
- Blue (35%)



- Red (67%)
- Yellow (92%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (62%)
- Black (8%)



- Cyan (8%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2170, 51.2448, 16.3716 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 52.2170, 51.2448, 16.3716 by changing the saturation by 10% instead.

52.2170, 51.2448,
16.3716

52.2170, 51.2448,
16.3716

385.5840,
391.5141, 243.4447

37.4030, 36.4035,
9.6303

92.6235, 92.0165,
38.0179

25.6948, 24.7460,
5.0521

118.9468,
118.7157, 53.7599

16.7269, 15.8879,
2.2186

149.8372,
150.1363, 73.3392

10.1341, 9.4449,
0.6851

185.6601,
186.6627, 97.1744

5.5509, 5.0325,
0.0000

226.7809,
228.6793, 125.6841

2.6120, 2.2663,
0.0000

273.5649,

0.9521, 0.7558,

276.5704, 159.2866

0.0000

326.3775,
330.7206, 198.4006

■ 0.0000, 0.0000,
0.0000

■ 52.2170, 51.2448,
16.3716

■ 52.2170, 51.2448,
16.3716

■ 49.7245, 47.5700,
11.5021

■ 55.1283, 55.2596,
22.9160

■ 47.6142, 44.2117,
8.1406

■ 58.4833, 59.6212,
31.2745

■ 45.8481, 41.1534,
6.0908

■ 62.3092, 64.3454,
41.5750

■ 44.6890, 39.0074,
5.1738

■ 66.6294, 69.4443,
53.9331

■ 71.4657, 74.9293,
68.4552

■ 76.8385, 80.8112,
85.2401

■ 82.7668, 87.1001,
104.3809

■ 85.8432, 92.4357,
107.9252

■ 87.7415, 96.2323,
108.5580

Harmonies

Analogous

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



62.6305, 51.2448, 22.4988



52.2170, 51.2448, 16.3716



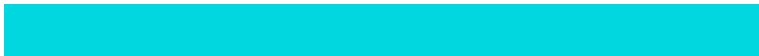
42.1865, 51.2448, 17.5529

Triad

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



52.2170, 51.2448, 16.3716



32.3001, 51.2448, 77.7498



65.6251, 51.2448, 100.9608

Complementary

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



52.2170, 51.2448, 16.3716



28.4001, 27.0637, 81.5684

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.



55.8662, 51.2448, 128.2987



52.2170, 51.2448, 16.3716



37.0164, 51.2448, 111.9385

Square

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



52.2170, 51.2448, 16.3716



31.6111, 51.2448, 46.5407



45.3572, 51.2448, 132.9056



71.0654, 51.2448, 66.2055

Rectangle

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



52.2170, 51.2448, 16.3716



36.9807, 51.2448, 22.5551



45.3572, 51.2448, 132.9056



62.6812, 51.2448, 111.7747

Sweetspot

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



52.2182, 51.2473, 16.3726



82.8517, 86.5514, 71.0828



42.2690, 26.4112, 28.2785



17.3844, 18.1247, 14.1808



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.



52.2182, 51.2473, 16.3726



59.6292, 56.5690, 12.5894



59.0716, 73.9264, 20.3889



15.8656, 16.6541, 15.8971



25.2366, 22.1675, 2.9486



2.0725, 1.9224, 0.2618

Inverse Universe

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



28.4001, 27.0637, 81.5684



28.5588, 25.1229, 97.9517



24.4610, 16.0753, 79.6550



14.6788, 15.4440, 19.1296



10.2773, 7.2016, 44.5913



0.8957, 0.7428, 3.5310

Previews

White Background



This preview shows how the XYZ color 52.2170, 51.2448, 16.3716 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 52.2170, 51.2448, 16.3716 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 52.2170, 51.2448, 16.3716

Background



This preview shows how black text looks on a background with the XYZ color 52.2170, 51.2448, 16.3716.



This preview shows how white text looks on a background with the XYZ color 52.2170, 51.2448,

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

52.2170, 51.2448, 16.3716

Protanopia

46.8801, 51.2839, 17.3255

Deuteranopia

52.5463, 51.4145, 16.3870



Tritanopia

59.4903, 51.2873, 52.1114

Trichromacy



Original Color

52.2170, 51.2448, 16.3716

Protanomaly

48.8292, 51.3389, 17.0087

Deuteranomaly

52.5463, 51.4145, 16.3870

Tritanomaly

56.0147, 51.0070, 35.3268

Monochromacy



Original Color

52.2170, 51.2448, 16.3716

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.2741, 49.1795, 35.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2170, 51.2448, 16.3716 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(234, 181, 88)` looks like.

```
.text, #text, p{  
    color:rgb(234, 181, 88)  
}
```

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(234, 181, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 181, 88) }
```

Border

The CSS property to change the border of an element to XYZ 52.2170, 51.2448, 16.3716 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(234, 181, 88) }
```


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

```
.border{ border-color:rgb(234, 181, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 181, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 181, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 181, 88);  
box-shadow:4px 4px 4px 4px rgb(234, 181,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2170, 51.2448, 16.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 181, 88) }
```

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

```
.background{ background-color: rgb(234,  
181, 88) }
```

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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