

Converting Colors

XYZ(51.2434, 48.1627, 17.0783)

Have a look what the booklet for
XYZ(51.2434, 48.1627, 17.0783)
contains.

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Color

**XYZ(51.3650, 48.1461,
17.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	ECAC5E
RGB	236, 172, 94
RGB Percent	93%, 67%, 37%
CMY	0.0745, 0.3255, 0.6314
CMYK	0.00, 0.27, 0.60, 0.07
HSL	33°, 79%, 65%
HSV	33°, 60%, 93%
XYZ	51.3650, 48.1461, 17.1756
YIQ	182.2440, 63.1820, -10.6900

Conversions

Conversions Part 2

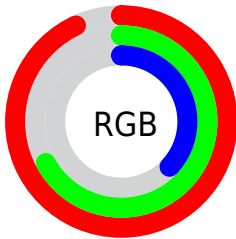
Format	Color
R _{YB}	211, 236, 94
Decimal	15510622
CIE Lab	74.92, 15.38, 48.69
CIE LCh	75, 51.062, 72.466
Yxy	48.1461, 0.4402, 0.4126
Android (android.graphics.Color)	4293700702 (0xFFECAC5E)
YUV	182.2440, -43.5043, 47.1440
Hunter-Lab	69.3874, 10.7092, 33.8950

Details

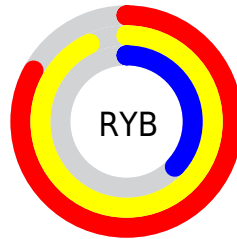
The XYZ color **51.3650, 48.1461, 17.1756** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **31.9827, 32.8881, 84.0188**, and the grayscale version is **44.8032, 47.1365, 51.3317**.

A 20% lighter version of the original color is **73.8974, 78.2735, 38.4076**, and **25.3026, 22.9619, 5.4814** is the 20% darker color. If you saturate the color by 10%, you get **48.5199, 43.8996, 11.7774**, and if you desaturate by 10%, it is **54.6981, 52.8509, 24.3342**.

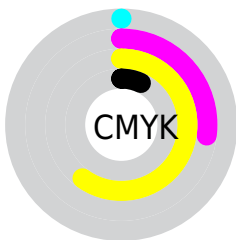
Distribution



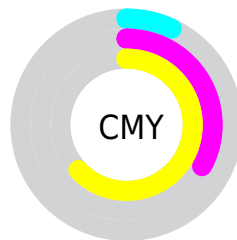
- Red (93%)
- Green (67%)
- Blue (37%)



- Red (83%)
- Yellow (93%)
- Blue (37%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (7%)





- Cyan (7%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3650, 48.1461, 17.1756 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 51.3650, 48.1461, 17.1756 by changing the saturation by 10% instead.


 51.3650, 48.1461,
17.1756

 51.3650, 48.1461,
17.1756


382.3446,
379.3709, 248.2604


 36.7214, 33.9426,
10.1965


 91.3739, 87.4219,
39.4222


 25.1645, 22.8495,
5.4221


 117.4698,
113.2630, 55.5268

 16.3291, 14.4824,
2.4340


 148.1140,
143.7520, 75.5103

 9.8496, 8.4570,
0.8049

 183.6716,
179.2735, 99.7913

 5.3609, 4.3887,
0.0000

224.5081,
220.2117, 128.7882

 2.4974, 1.8933,
0.0000

270.9889,

 0.8940, 0.5443,

266.9511, 162.9197

0.0000

323.4793,
319.8760, 202.6042

■ 0.0000, 0.0000,
0.0000

■ 51.3650, 48.1461,
17.1756

■ 51.3650, 48.1461,
17.1756

■ 48.5199, 43.8996,
11.7774

■ 54.6981, 52.8509,
24.3342

■ 46.1250, 40.0845,
7.9745

■ 58.5461, 58.0247,
33.3925

■ 44.1412, 36.6807,
5.5749

■ 62.9377, 63.6868,
44.4786

■ 42.5271, 33.7032,
4.2639

■ 67.8982, 69.8525,
57.7088

■ 73.4510, 76.5367,
73.1905

■ 79.6182, 83.7533,
91.0238

■ 85.7366, 91.2421,
107.7004

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



60.2661, 48.1461, 24.8843



51.3650, 48.1461, 17.1756



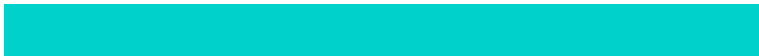
42.0078, 48.1461, 16.6243

Triad

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



51.3650, 48.1461, 17.1756



30.4231, 48.1461, 64.2769



58.9321, 48.1461, 100.0229

Complementary

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



51.3650, 48.1461, 17.1756



31.9827, 32.8881, 84.0188

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.



49.7323, 48.1461, 120.0425



51.3650, 48.1461, 17.1756



33.7935, 48.1461, 95.1752

Square

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



51.3650, 48.1461, 17.1756



30.7360, 48.1461, 38.4537



40.5810, 48.1461, 118.0168



65.0253, 48.1461, 69.4216

Rectangle

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



51.3650, 48.1461, 17.1756



36.8152, 48.1461, 19.9907



40.5810, 48.1461, 118.0168



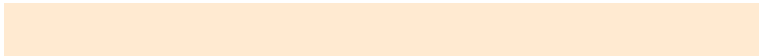
56.0509, 48.1461, 108.6140

Sweetspot

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



51.3661, 48.1485, 17.1765



82.2735, 84.8933, 72.4363



44.9634, 28.3861, 36.4898



17.2154, 17.6893, 14.4245



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.



51.3661, 48.1485, 17.1765



57.1919, 51.3234, 12.9208



65.0568, 77.8321, 22.1845



15.7514, 16.4258, 15.8590



23.5731, 18.8404, 2.3941



1.9469, 1.6712, 0.2200

Inverse Universe

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



31.9827, 32.8881, 84.0188



32.2570, 31.7329, 99.0327



24.2599, 16.6997, 81.3012



14.7902, 15.6669, 19.1667



11.3323, 9.3116, 44.9430



0.9847, 0.9209, 3.5607

Previews

White Background



This preview shows how the XYZ color 51.3650, 48.1461, 17.1756 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 51.3650, 48.1461, 17.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

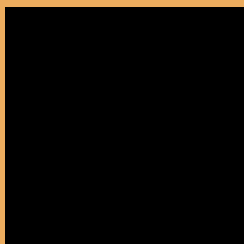
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3650, 48.1461, 17.1756

Background



This preview shows how black text looks on a background with the XYZ color 51.3650, 48.1461, 17.1756.



This preview shows how white text looks on a background with the XYZ color 51.3650, 48.1461,

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

51.3650, 48.1461, 17.1756

Protanopia

44.4554, 48.4171, 18.5577

Deuteranopia

49.1797, 48.1719, 17.0620



Tritanopia

57.4530, 48.1668, 46.8265

Trichromacy



Original Color

51.3650, 48.1461, 17.1756

Protanomaly

46.7978, 48.1045, 18.1278

Deuteranomaly

49.9389, 48.2733, 17.0415

Tritanomaly

54.7597, 47.8730, 33.5484

Monochromacy



Original Color

51.3650, 48.1461, 17.1756

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.7825, 46.5994, 35.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3650, 48.1461, 17.1756 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(236, 172, 94)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 94)  
}
```

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(236, 172, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 94) }
```

Border

The CSS property to change the border of an element to XYZ 51.3650, 48.1461, 17.1756 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(236, 172, 94) }
```


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

```
.border{ border-color:rgb(236, 172, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 172, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 94);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3650, 48.1461, 17.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 94) }
```

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

```
.background{ background-color: rgb(236,  
172, 94) }
```

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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