

Converting Colors

XYZ(52.2270, 48.7873, 18.0081)

Have a look what the booklet for
XYZ(52.2270, 48.7873, 18.0081)
contains.

XYZ(52.3611, 48.9274, 17.9935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.3611, 48.9274,
17.9935)**

Conversions

Conversions Part 1

Format	Color
Hex	EEAD61
RGB	238, 173, 97
RGB Percent	93%, 68%, 38%
CMY	0.0667, 0.3215, 0.6196
CMYK	0.00, 0.27, 0.59, 0.07
HSL	32°, 81%, 66%
HSV	32°, 59%, 93%
XYZ	52.3611, 48.9274, 17.9935
YIQ	183.7710, 63.1360, -9.8560

Conversions

Conversions Part 2

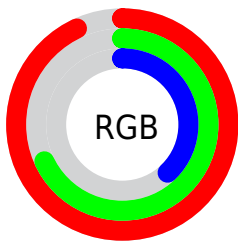
Format	Color
R_{YB}	218, 238, 97
Decimal	15641953
CIE _{Lab}	75.41, 15.89, 47.84
CIE _{LCh}	75, 50.414, 71.626
Yxy	48.9274, 0.4390, 0.4102
Android (android.graphics.Color)	4293832033 (0xFFEEAD61)
YUV	183.7710, -42.7781, 47.5588
Hunter-Lab	69.9481, 11.2106, 33.7119

Details

The XYZ color **52.3611, 48.9274, 17.9935** is a light color, and the websafe version is hex **CC9933**. A complement of this color would be **33.2820, 34.5534, 85.8036**, and the grayscale version is **45.6389, 48.0157, 52.2891**.

A 20% lighter version of the original color is **74.4082, 78.9167, 39.7445**, and **25.9409, 23.4637, 5.8510** is the 20% darker color. If you saturate the color by 10%, you get **49.3956, 44.5141, 12.3272**, and if you desaturate by 10%, it is **55.8345, 53.8242, 25.4720**.

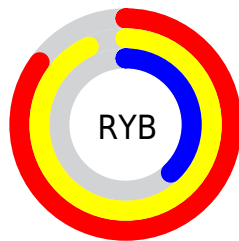
Distribution



Red (93%)

Green (68%)

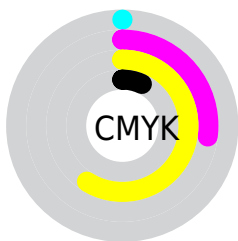
Blue (38%)



Red (85%)

Yellow (93%)

Blue (38%)

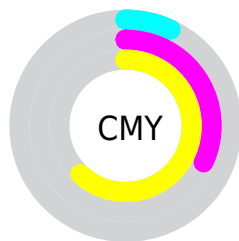


Cyan (0%)

Magenta (27%)

Yellow (59%)

Black (7%)



Cyan (7%)

Magenta (32%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3611, 48.9274, 17.9935 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 52.3611, 48.9274, 17.9935 by changing the saturation by 10% instead.

52.3611, 48.9274,
17.9935

52.3611, 48.9274,
17.9935

386.1302,
382.4564, 253.0693

37.5184, 34.5619,
10.7759

92.8346, 88.5836,
40.8400

25.7846, 23.3256,
5.8041

119.1962,
114.6431, 57.3061

16.7944, 14.8341,
2.6595

150.1281,
145.3694, 77.6920

10.1824, 8.7030,
0.9229

185.9957,
181.1469, 102.4164

5.5833, 4.5480,
0.0000

227.1644,
222.3599, 131.8978

2.6316, 1.9846,
0.0000

273.9994,

0.9621, 0.5985,

269.3929, 166.5547

0.0000

326.8662,
322.6303, 206.8057

■ 0.0000, 0.0000,
0.0000

■ 52.3611, 48.9274,
17.9935

■ 52.3611, 48.9274,
17.9935

■ 49.3956, 44.5141,
12.3272

■ 55.8345, 53.8242,
25.4720

■ 46.8997, 40.5565,
8.3068

■ 59.8433, 59.2159,
34.9033

■ 44.8336, 37.0337,
5.7394

■ 64.4167, 65.1225,
46.4173

■ 43.1362, 33.9142,
4.3243

■ 69.5807, 71.5602,
60.1318

■ 43.0171, 33.6920,
4.2360

■ 75.3593, 78.5445,
76.1558

■ 81.7752, 86.0901,
94.5909

■ 87.4334, 93.6444,
108.0747

■ 89.0696, 96.9170,
108.6201

Harmonies

Analogous

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



61.1650, 48.9274, 26.0179



52.3611, 48.9274, 17.9935



42.9984, 48.9274, 17.2487

Triad

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



52.3611, 48.9274, 17.9935



31.1186, 48.9274, 64.2553



59.3988, 48.9274, 101.3562

Complementary

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



52.3611, 48.9274, 17.9935



33.2820, 34.5534, 85.8036

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.



50.1952, 48.9274, 120.6796



52.3611, 48.9274, 17.9935



34.3957, 48.9274, 94.9626

Square

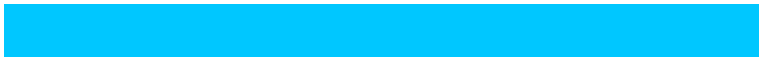
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.3611, 48.9274, 17.9935



31.5365, 48.9274, 38.7285



41.1009, 48.9274, 118.0132



65.5861, 48.9274, 71.0687

Rectangle

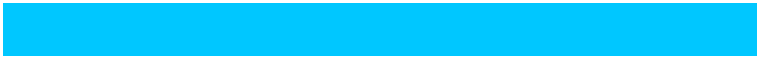
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3611, 48.9274, 17.9935



37.7571, 48.9274, 20.5219



41.1009, 48.9274, 118.0132



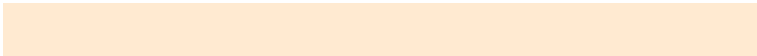
56.5071, 48.9274, 109.7407

Sweetspot

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



52.3623, 48.9298, 17.9944



82.1390, 84.6243, 72.3915



46.1276, 29.3640, 37.7935



17.1826, 17.6237, 14.4136



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.



52.3623, 48.9298, 17.9944



57.1404, 51.0859, 13.3187



66.4342, 79.3858, 23.1314



16.4786, 17.1704, 16.5954



24.1304, 19.0589, 2.4069



2.1069, 1.7844, 0.2334

Inverse Universe

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



33.2820, 34.5534, 85.8036



32.9958, 32.9251, 99.2239



25.1532, 17.5302, 82.9463



15.4977, 16.4295, 20.0760



11.8293, 9.8829, 46.4120



1.0825, 1.0191, 3.8939

Previews

White Background



This preview shows how the XYZ color 52.3611, 48.9274, 17.9935 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 52.3611, 48.9274, 17.9935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

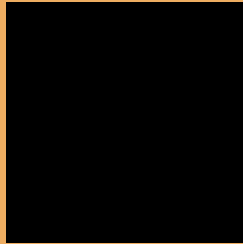
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3611, 48.9274, 17.9935

Background



This preview shows how black text looks on a background with the XYZ color 52.3611, 48.9274, 17.9935.



This preview shows how white text looks on a background with the XYZ color 52.3611, 48.9274,

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

52.3611, 48.9274, 17.9935

Protanopia

45.1340, 49.0563, 19.6604

Deuteranopia

49.8284, 48.7828, 17.8561



Tritanopia

58.4202, 48.9186, 47.4375

Trichromacy



Original Color

52.3611, 48.9274, 17.9935

Protanomaly

47.4394, 48.7196, 18.9601

Deuteranomaly

50.9154, 49.0510, 17.8506

Tritanomaly

55.7031, 48.6213, 34.0527

Monochromacy



Original Color

52.3611, 48.9274, 17.9935

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8906, 47.7469, 36.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3611, 48.9274, 17.9935 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(238, 173, 97)` looks like.

```
.text, #text, p{  
    color:rgb(238, 173, 97)  
}
```

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(238, 173, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 173, 97) }
```

Border

The CSS property to change the border of an element to XYZ 52.3611, 48.9274, 17.9935 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(238, 173, 97) }
```


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

```
.border{ border-color:rgb(238, 173, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 173, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 173, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 173, 97);  
box-shadow:4px 4px 4px 4px rgb(238, 173,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3611, 48.9274, 17.9935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 173, 97) }
```

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

```
.background{ background-color: rgb(238,  
173, 97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor