

Converting Colors

XYZ(52.6253, 51.0786, 12.5741)

Have a look what the booklet for
XYZ(52.6253, 51.0786, 12.5741)
contains.

XYZ(52.4234, 50.8347, 12.5179)	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(52.4234, 50.8347,
12.5179)**

Conversions

Conversions Part 1

Format	Color
Hex	EEB344
RGB	238, 179, 68
RGB Percent	93%, 70%, 27%
CMY	0.0667, 0.2980, 0.7333
CMYK	0.00, 0.25, 0.71, 0.07
HSL	39°, 83%, 60%
HSV	39°, 71%, 93%
XYZ	52.4234, 50.8347, 12.5179
YIQ	183.9870, 70.7950, -22.0130

Conversions

Conversions Part 2

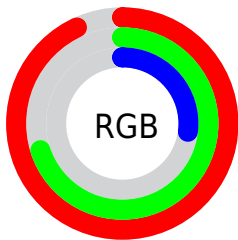
Format	Color
RYB	158, 238, 68
Decimal	15643460
CIELab	76.58, 11.00, 62.37
CIELCh	77, 63.332, 79.998
Yxy	50.8347, 0.4528, 0.4391
Android (android.graphics.Color)	4293833540 (0xFFEEB344)
YUV	183.9870, -57.1816, 47.3694
Hunter-Lab	71.2985, 6.4729, 39.4993

Details

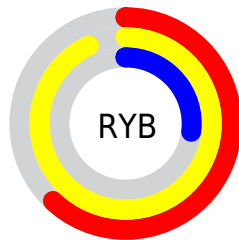
The XYZ color **52.4234, 50.8347, 12.5179** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **25.4056, 22.5799, 83.9078**, and the grayscale version is **45.8326, 48.2195, 52.5110**.

A 20% lighter version of the original color is **74.4612, 82.0818, 30.3312**, and **25.9495, 24.6437, 3.3890** is the 20% darker color. If you saturate the color by 10%, you get **50.2334, 47.3908, 8.9027**, and if you desaturate by 10%, it is **55.0096, 54.5998, 17.7197**.

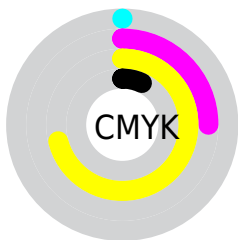
Distribution



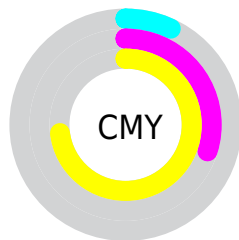
- Red (93%)
- Green (70%)
- Blue (27%)



- Red (62%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4234, 50.8347, 12.5179 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 52.4234, 50.8347, 12.5179 by changing the saturation by 10% instead.


 52.4234, 50.8347,
12.5179

 52.4234, 50.8347,
12.5179


386.3662,
389.9212, 218.9026


 37.5683, 36.0771,
6.9706


 92.9259, 91.4104,
31.1133


 25.8235, 24.4937,
3.3656


 119.3040,
117.9972, 44.9985


 16.8236, 15.7003,
1.2842


 150.2538,
149.2959, 62.5001

 10.2033, 9.3123,
0.0488

 186.1407,
185.6909, 84.0366

 5.5973, 4.9454,
0.0000

 227.3301,
227.5665, 110.0265

 2.6401, 2.2153,
0.0000

274.1872,

 0.9664, 0.7283,

275.3072, 140.8885

0.0000

327.0774,
329.2973, 177.0410

■ 0.0000, 0.0000,
0.0000

■ 52.4234, 50.8347,
12.5179

■ 52.4234, 50.8347,
12.5179

■ 50.2334, 47.3908,
8.9027

■ 55.0096, 54.5998,
17.7197

■ 48.3961, 44.2419,
6.6696


■ 58.0219, 58.6946,
24.6734


■ 47.0490, 41.7556,
5.5799


■ 61.4910, 63.1360,
33.5264


■ 65.4430, 67.9372,
44.4098

■ 69.9023, 73.1103,
57.4429

 74.8910, 78.6666,
72.7356

 80.4301, 84.6169,
90.3904

 85.9863, 90.7502,
107.5923

 88.5421, 95.8619,
108.4443

Harmonies

Analogous

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



64.6645, 50.8347, 18.6668



52.4234, 50.8347, 12.5179



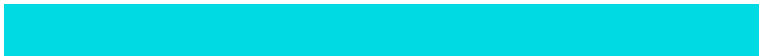
40.8687, 50.8347, 13.6536

Triad

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



52.4234, 50.8347, 12.5179



29.7630, 50.8347, 81.0777



68.1683, 50.8347, 109.4209

Complementary

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



52.4234, 50.8347, 12.5179



25.4056, 22.5799, 83.9078

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.



56.6190, 50.8347, 143.2136



52.4234, 50.8347, 12.5179



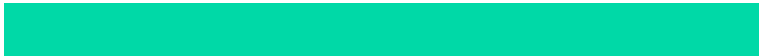
34.9865, 50.8347, 122.7122

Square

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



52.4234, 50.8347, 12.5179



29.0182, 50.8347, 44.6782



44.4306, 50.8347, 148.8870



74.6973, 50.8347, 67.5995

Rectangle

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



52.4234, 50.8347, 12.5179



34.9873, 50.8347, 18.6656



44.4306, 50.8347, 148.8870



64.6632, 50.8347, 122.7165

Sweetspot

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



52.4246, 50.8372, 12.5189



81.9512, 85.7295, 67.7644



41.1906, 23.8571, 22.6845



17.2172, 17.9803, 13.5391



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.



52.4246, 50.8372, 12.5189



57.6534, 53.5846, 8.9493



58.9136, 75.6376, 16.9638



16.6344, 17.4818, 16.6473



26.3743, 23.5466, 3.1549



2.2867, 2.1440, 0.2933

Inverse Universe

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



25.4056, 22.5799, 83.9078



24.5395, 19.1345, 97.0077



22.0651, 12.6612, 82.1693



15.3458, 16.1258, 20.0254



10.4271, 7.0785, 45.9446



0.9571, 0.7683, 3.8521

Previews

White Background



This preview shows how the XYZ color 52.4234, 50.8347, 12.5179 looks on a white background.

Color Contrast Check

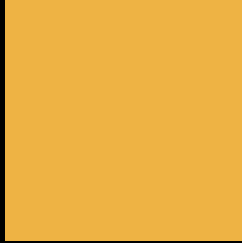
Large Text (above 18pt) WCAG AA × Fail

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 52.4234, 50.8347, 12.5179 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 52.4234, 50.8347, 12.5179

Background



This preview shows how black text looks on a background with the XYZ color 52.4234, 50.8347, 12.5179.



This preview shows how white text looks on a background with the XYZ color 52.4234, 50.8347,

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

52.4234, 50.8347, 12.5179

Protanopia

46.4148, 51.1307, 13.3841

Deuteranopia

51.9567, 50.8927, 12.5537



Tritanopia

60.2469, 50.8934, 49.8281

Trichromacy



Original Color

52.4234, 50.8347, 12.5179

Protanomaly

48.4832, 50.9322, 13.0699

Deuteranomaly

52.2897, 51.0644, 12.5693

Tritanomaly

56.3749, 50.4238, 31.1876

Monochromacy



Original Color

52.4234, 50.8347, 12.5179

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5123, 48.2463, 32.4522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4234, 50.8347, 12.5179 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, 179, 68)` looks like.

```
.text, #text, p{  
    color:rgb(238, 179, 68)  
}
```

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, 179, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 179, 68) }
```

Border

The CSS property to change the border of an element to XYZ 52.4234, 50.8347, 12.5179 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, 179, 68) }
```


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

```
.border{ border-color:rgb(238, 179, 68) }
```

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

Here you see how a box with a 4 pixel rgb(238, 179, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 179, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 179, 68);  
box-shadow:4px 4px 4px 4px rgb(238, 179,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4234, 50.8347, 12.5179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 179, 68) }
```

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

```
.background{ background-color: rgb(238,  
179, 68) }
```

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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