

Converting Colors

XYZ(52.4800, 51.4392, 12.6477)

Have a look what the booklet for
XYZ(52.4800, 51.4392, 12.6477)
contains.

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Color

**XYZ(52.4923, 51.4696,
12.6368)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB544
RGB	237, 181, 68
RGB Percent	93%, 71%, 27%
CMY	0.0706, 0.2902, 0.7333
CMYK	0.00, 0.24, 0.71, 0.07
HSL	40°, 82%, 60%
HSV	40°, 71%, 93%
XYZ	52.4923, 51.4696, 12.6368
YIQ	184.8620, 69.6490, -23.2710

Conversions

Conversions Part 2

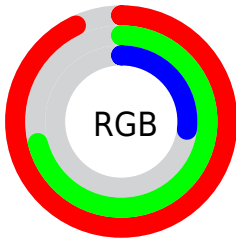
Format	Color
RYB	152, 237, 68
Decimal	15578436
CIELab	76.96, 9.52, 62.72
CIELCh	77, 63.443, 81.366
Yxy	51.4696, 0.4502, 0.4414
Android (android.graphics.Color)	4293768516 (0xFFEDB544)
YUV	184.8620, -57.6130, 45.7250
Hunter-Lab	71.7423, 5.0555, 39.7762

Details

The XYZ color **52.4923, 51.4696, 12.6368** 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 **24.8773, 21.7578, 83.0087**, and the grayscale version is **46.3217, 48.7340, 53.0714**.

A 20% lighter version of the original color is **75.0370, 83.2335, 30.5232**, and **25.8506, 24.7855, 3.4216** is the 20% darker color. If you saturate the color by 10%, you get **50.3583, 48.1348, 9.0497**, and if you desaturate by 10%, it is **55.0109, 55.1064, 17.7946**.

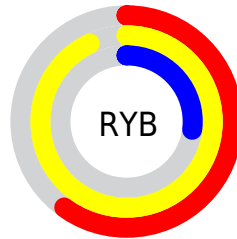
Distribution



Red (93%)

Green (71%)

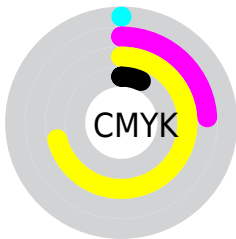
Blue (27%)



Red (60%)

Yellow (93%)

Blue (27%)

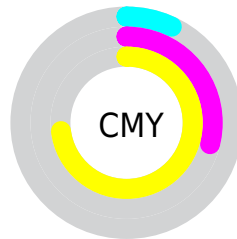


Cyan (0%)

Magenta (24%)

Yellow (71%)

Black (7%)



Cyan (7%)


Magenta (29%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4923, 51.4696, 12.6368 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 52.4923, 51.4696, 12.6368 by changing the saturation by 10% instead.


 52.4923, 51.4696,
12.6368

 52.4923, 51.4696,
12.6368


386.6270,
392.3855, 219.7021


 37.6235, 36.5825,
7.0512


 93.0268, 92.3485,
31.3313

 25.8665, 24.8844,
3.4152


 119.4232,
119.1092, 45.2772


 16.8559, 15.9909,
1.3103


 150.3928,
150.5964, 62.8469

 10.2265, 9.5177,
0.0702

 186.3011,
187.1946, 84.4591

 5.6128, 5.0804,
0.0000

 227.5133,
229.2882, 110.5321

 2.6495, 2.2945,
0.0000

274.3947,

 0.9713, 0.7708,

277.2617, 141.4846

0.0000

327.3109,
331.4993, 177.7351

■ 0.0000, 0.0000,
0.0000

■ 52.4923, 51.4696,
12.6368

■ 52.4923, 51.4696,
12.6368

■ 50.3583, 48.1348,
9.0497

■ 55.0109, 55.1064,
17.7946

■ 48.5661, 45.0762,
6.8312


■ 57.9433, 59.0530,
24.6860


■ 47.2329, 42.6205,
5.7371


■ 61.3197, 63.3257,
33.4568

■ 65.1657, 67.9370,
44.2365

■ 69.5051, 72.8985,
57.1428

 74.3597, 78.2211,
72.2845

 79.7500, 83.9149,
89.7627

 85.2731, 89.8210,
107.4506

 87.6843, 94.6433,
108.2543

Harmonies

Analogous

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



64.9094, 51.4696, 18.4745



52.4923, 51.4696, 12.6368



40.9336, 51.4696, 14.1052

Triad

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



52.4923, 51.4696, 12.6368



30.3145, 51.4696, 83.9508



69.4091, 51.4696, 108.7046

Complementary

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



52.4923, 51.4696, 12.6368



24.8773, 21.7578, 83.0087

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.



57.8836, 51.4696, 143.6682



52.4923, 51.4696, 12.6368



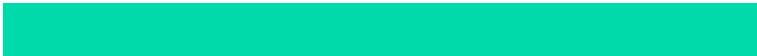
35.7995, 51.4696, 125.7554

Square

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



52.4923, 51.4696, 12.6368



29.3555, 51.4696, 46.6330



45.5142, 51.4696, 150.9419



75.6774, 51.4696, 66.6376

Rectangle

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



52.4923, 51.4696, 12.6368



35.1148, 51.4696, 19.4648



45.5142, 51.4696, 150.9419



65.9394, 51.4696, 122.2926

Sweetspot

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



52.4935, 51.4721, 12.6378



82.1944, 86.2158, 67.8455



40.6515, 23.6028, 21.5934



17.2753, 18.0965, 13.5585



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.



52.4935, 51.4721, 12.6378



58.3515, 54.9808, 9.1821



57.5748, 74.5164, 16.8180



15.9071, 16.7371, 15.9109



25.9128, 23.5199, 3.1740



2.1223, 2.0220, 0.2784

Inverse Universe

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



24.8773, 21.7578, 83.0087



24.1677, 18.3909, 96.8838



22.1950, 12.7450, 81.4105



14.6389, 15.3642, 19.1163



9.9608, 6.5686, 44.4858



0.8675, 0.6864, 3.5217

Previews

White Background



This preview shows how the XYZ color 52.4923, 51.4696, 12.6368 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 52.4923, 51.4696, 12.6368 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 52.4923, 51.4696, 12.6368

Background



This preview shows how black text looks on a background with the XYZ color 52.4923, 51.4696, 12.6368.



This preview shows how white text looks on a background with the XYZ color 52.4923, 51.4696,

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

52.4923, 51.4696, 12.6368

Protanopia

46.9195, 51.7136, 13.4700

Deuteranopia

52.8272, 51.6422, 12.6525



Tritanopia

60.4744, 51.5393, 51.0167

Trichromacy



Original Color

52.4923, 51.4696, 12.6368

Protanomaly

48.6946, 51.3550, 13.1404

Deuteranomaly

52.8272, 51.6422, 12.6525

Tritanomaly

56.5617, 51.0724, 32.0761

Monochromacy



Original Color

52.4923, 51.4696, 12.6368

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9248, 49.0713, 32.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4923, 51.4696, 12.6368 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(237, 181, 68)` looks like.

```
.text, #text, p{  
    color:rgb(237, 181, 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(237, 181, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 181, 68) }
```

Border

The CSS property to change the border of an element to XYZ 52.4923, 51.4696, 12.6368 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(237, 181, 68) }
```


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

```
.border{ border-color:rgb(237, 181, 68) }
```

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

Here you see how a box with a 4 pixel rgb(237, 181, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 181, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 181, 68);  
box-shadow:4px 4px 4px 4px rgb(237, 181,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4923, 51.4696, 12.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 181, 68) }
```

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

```
.background{ background-color: rgb(237,  
181, 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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