

Converting Colors

XYZ(49.9225, 52.0610, 9.9002)

Have a look what the booklet for
XYZ(49.9225, 52.0610, 9.9002)
contains.

XYZ(49.9225, 52.0610, 9.9002)	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(49.9225, 52.0610,
9.9002)**

Conversions

Conversions Part 1

Format	Color
Hex	E3BB2D
RGB	227, 187, 45
RGB Percent	89%, 73%, 18%
CMY	0.1098, 0.2666, 0.8235
CMYK	0.00, 0.18, 0.80, 0.11
HSL	47°, 76%, 53%
HSV	47°, 80%, 89%
XYZ	49.9225, 52.0610, 9.9002
YIQ	182.7720, 69.4220, -35.6820

Conversions

Conversions Part 2

Format	Color
R_{YB}	96, 227, 45
Decimal	14924589
CIE Lab	77.32, 1.19, 70.96
CIE LCh	77, 70.968, 89.040
Yxy	52.0610, 0.4462, 0.4653
Android (android.graphics.Color)	4293114669 (0xFFE3BB2D)
YUV	182.7720, -67.9216, 38.7880
Hunter-Lab	72.1533, -2.7651, 42.3721

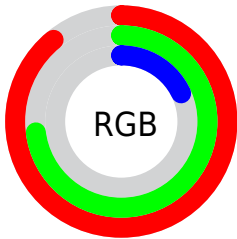
Details

The XYZ color **49.9225, 52.0610, 9.9002** is a light color, and the websafe version is hex **FFCC33**.

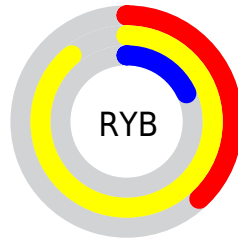
The color can be described as light washed orange. A complement of this color would be **18.1959, 12.6008, 74.1456**, and the grayscale version is **45.2200, 47.5750, 51.8091**.

A 20% lighter version of the original color is **75.7388, 86.3405, 25.5055**, and **24.4614, 25.2657, 3.5875** is the 20% darker color. If you saturate the color by 10%, you get **48.5577, 49.8531, 7.8380**, and if you desaturate by 10%, it is **51.5611, 54.4414, 13.2126**.

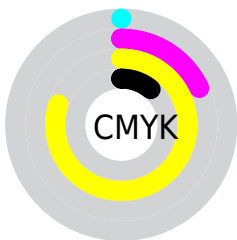
Distribution



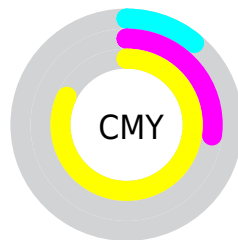
- Red (89%)
- Green (73%)
- Blue (18%)



- Red (38%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (27%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9225, 52.0610, 9.9002 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 49.9225, 52.0610, 9.9002 by changing the saturation by 10% instead.


 49.9225, 52.0610,
9.9002


 49.9225, 52.0610,
9.9002


376.8198,
394.6721, 200.4172


 35.5694, 37.0537,
5.2281


 89.2525, 93.2212,
26.2125


 24.2704, 25.2491,
2.3206


 114.9602,
120.1429, 38.6898

 15.6601, 16.2627,
0.7427


 145.1833,
151.8048, 54.6058

 9.3733, 9.7103,
0.0000

 180.2874,
188.5914, 74.3793

 5.0445, 5.2073,
0.0000

 220.6377,
230.8870, 98.4286

 2.3084, 2.3694,
0.0000

 266.5997,

 0.7990, 0.8101,

279.0761, 127.1723

0.0000

318.5386,
333.5430, 161.0290

■ 0.0000, 0.0000,
0.0000

■ 49.9225, 52.0610,
9.9002

■ 49.9225, 52.0610,
9.9002

■ 48.5577, 49.8531,
7.8380

■ 51.5611, 54.4414,
13.2126

■ 47.4234, 47.8209,
6.7309

■ 53.5034, 57.0006,
17.9459

■ 55.7786, 59.7529,
24.2476

■ 58.4114, 62.7088,
32.2455

■ 61.4238, 65.8776,
42.0546

■ 64.8362, 69.2681,
53.7795

■ 68.6672, 72.8882,
67.5169

■ 72.9341, 76.7454,
83.3570

■ 77.6535, 80.8468,
101.3844

Harmonies

Analogous

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



64.2162, 52.0610, 13.6247



49.9225, 52.0610, 9.9002



37.8264, 52.0610, 13.1447

Triad

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



49.9225, 52.0610, 9.9002



29.9344, 52.0610, 101.4498



75.5118, 52.0610, 104.6922

Complementary

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



49.9225, 52.0610, 9.9002



18.1959, 12.6008, 74.1456

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.



63.3163, 52.0610, 150.8064



49.9225, 52.0610, 9.9002



37.1945, 52.0610, 148.4065

Square

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



49.9225, 52.0610, 9.9002



27.6428, 52.0610, 55.4382



49.0449, 52.0610, 169.6248



80.5616, 52.0610, 57.9515

Rectangle

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



49.9225, 52.0610, 9.9002



32.2218, 52.0610, 20.3615



49.0449, 52.0610, 169.6248



72.0137, 52.0610, 121.4453

Sweetspot

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



49.9237, 52.0635, 9.9012



82.5739, 88.3836, 63.6289



34.3565, 18.9038, 10.9561



17.3365, 18.5807, 12.4631



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.



49.9237, 52.0635, 9.9012



62.2304, 63.1514, 9.2025



46.4102, 64.6476, 12.5154



15.3188, 16.2515, 15.2339



27.7475, 28.0691, 3.9554



2.1171, 2.2075, 0.3145

Inverse Universe

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



18.1959, 12.6008, 74.1456



20.0108, 10.9520, 95.6670



19.3724, 9.7785, 73.5388



13.8384, 14.3981, 18.1941



8.8191, 4.7004, 42.8256



0.7196, 0.4831, 3.1873

Previews

White Background



This preview shows how the XYZ color 49.9225, 52.0610, 9.9002 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 49.9225, 52.0610, 9.9002 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 49.9225, 52.0610, 9.9002

Background



This preview shows how black text looks on a background with the XYZ color 49.9225, 52.0610, 9.9002.



This preview shows how white text looks on a background with the XYZ color 49.9225, 52.0610,

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

49.9225, 52.0610, 9.9002

Protanopia

47.3671, 52.3436, 10.1916

Deuteranopia

52.9926, 51.7864, 9.9991



Tritanopia

59.1382, 51.9075, 54.4792

Trichromacy



Original Color

49.9225, 52.0610, 9.9002

Protanomaly

48.1200, 52.0842, 10.1018

Deuteranomaly

51.7075, 51.7344, 9.9498

Tritanomaly

54.1683, 51.3414, 30.3475

Monochromacy



Original Color

49.9225, 52.0610, 9.9002

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.9273, 48.1165, 29.1098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9225, 52.0610, 9.9002 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(227, 187, 45)` looks like.

```
.text, #text, p{  
    color:rgb(227, 187, 45)  
}
```

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(227, 187, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 187, 45) }
```

Border

The CSS property to change the border of an element to XYZ 49.9225, 52.0610, 9.9002 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(227, 187, 45) }
```


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

```
.border{ border-color:rgb(227, 187, 45) }
```

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

Here you see how a box with a 4 pixel rgb(227, 187, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 187, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 187, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 187,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9225, 52.0610, 9.9002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 187, 45) }
```

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

```
.background{ background-color: rgb(227,  
187, 45) }
```

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