

Converting Colors

XYZ(49.4202, 45.5438, 14.1688)

Have a look what the booklet for
XYZ(49.4202, 45.5438, 14.1688)
contains.

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Color

**XYZ(49.4202, 45.5438,
14.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA652
RGB	235, 166, 82
RGB Percent	92%, 65%, 32%
CMY	0.0784, 0.3490, 0.6784
CMYK	0.00, 0.29, 0.65, 0.08
HSL	33°, 79%, 62%
HSV	33°, 65%, 92%
XYZ	49.4202, 45.5438, 14.1688
YIQ	177.0550, 68.0880, -11.4960

Conversions

Conversions Part 2

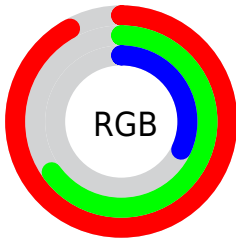
Format	Color
R_{YB}	208, 235, 82
Decimal	15443538
CIE _{Lab}	73.25, 17.37, 52.53
CIE _{LCh}	73, 55.325, 71.703
Yxy	45.5438, 0.4528, 0.4173
Android (android.graphics.Color)	4293633618 (0xFFEBA652)
YUV	177.0550, -46.8621, 50.8178
Hunter-Lab	67.4861, 12.6150, 34.7923

Details

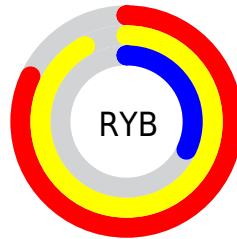
The XYZ color **49.4202, 45.5438, 14.1688** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.5412, 29.9240, 82.8158**, and the grayscale version is **42.0334, 44.2224, 48.1582**.

A 20% lighter version of the original color is **71.3995, 74.6941, 33.2085**, and **23.9309, 21.2423, 4.0672** is the 20% darker color. If you saturate the color by 10%, you get **46.8269, 41.5518, 9.6226**, and if you desaturate by 10%, it is **52.4805, 49.9803, 20.3816**.

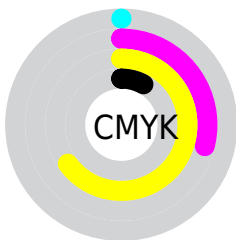
Distribution



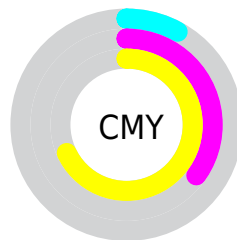
- Red (92%)
- Green (65%)
- Blue (32%)



- Red (82%)
- Yellow (92%)
- Blue (32%)



- Cyan (0%)
- Magenta (29%)
- Yellow (65%)
- Black (8%)





- Cyan (8%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4202, 45.5438, 14.1688 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 49.4202, 45.5438, 14.1688 by changing the saturation by 10% instead.


 49.4202, 45.5438,
14.1688

 49.4202, 45.5438,
14.1688


374.8838,
368.9715, 229.7433

 35.1688, 31.8860,
8.0981


 88.5122, 83.5358,
34.1097


 23.9601, 21.2744,
4.0691


 114.0835,
108.6388, 48.8169


 15.4286, 13.3247,
1.6633


 144.1589,
138.3257, 67.2400

 9.2090, 7.6525,
0.3354

 179.1037,
172.9808, 89.7976

 4.9360, 3.8734,
0.0000

 219.2832,
212.9885, 116.9082

 2.2441, 1.6030,
0.0000

265.0628,

 0.7658, 0.3596,

258.7333, 148.9903

0.0000

316.8079,
310.5995, 186.4625

■ 0.0000, 0.0000,
0.0000

■ 49.4202, 45.5438,
14.1688

■ 49.4202, 45.5438,
14.1688

■ 46.8269, 41.5518,
9.6226

■ 52.4805, 49.9803,
20.3816

■ 44.6609, 37.9768,
6.5667

■ 56.0364, 54.8730,
28.4079

■ 42.8790, 34.7971,
4.7886

■ 60.1175, 60.2414,
38.3813

■ 42.1147, 33.3699,
4.2213

■ 64.7498, 66.1014,
50.4218

■ 69.9576, 72.4680,
64.6398

■ 75.7631, 79.3553,
81.1377

■ 82.1877, 86.7769,
100.0115

■ 86.7405, 93.7415,
108.1299

■ 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



58.7828, 45.5438, 21.8384



49.4202, 45.5438, 14.1688



39.6093, 45.5438, 13.4891

Triad

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



49.4202, 45.5438, 14.1688



27.4543, 45.5438, 61.2489



56.9395, 45.5438, 101.2030

Complementary

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



49.4202, 45.5438, 14.1688



29.5412, 29.9240, 82.8158

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.



47.1878, 45.5438, 122.5694



49.4202, 45.5438, 14.1688



30.7877, 45.5438, 94.3629

Square

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



49.4202, 45.5438, 14.1688



27.8669, 45.5438, 34.6211



37.6853, 45.5438, 119.6811



63.5516, 45.5438, 68.3488

Rectangle

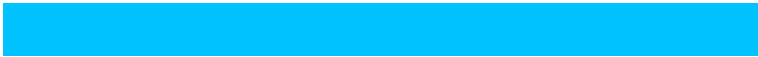
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4202, 45.5438, 14.1688



34.1964, 45.5438, 16.5834



37.6853, 45.5438, 119.6811



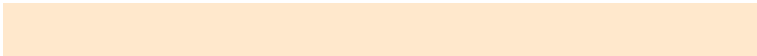
53.8631, 45.5438, 110.4358

Sweetspot

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



49.4213, 45.5461, 14.1697



80.9962, 83.3339, 68.9428



43.0613, 26.0103, 33.0619



16.9637, 17.3790, 13.7452



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.



49.4213, 45.5461, 14.1697



55.4668, 48.5677, 10.2053



63.8322, 76.8320, 19.4489



15.7510, 16.4250, 15.8589



23.5682, 18.8307, 2.3925



1.9466, 1.6704, 0.2198

Inverse Universe

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



29.5412, 29.9240, 82.8158



29.9335, 28.5576, 98.5423



21.9529, 14.0643, 80.1545



14.7906, 15.6676, 19.1668



11.3361, 9.3192, 44.9443



0.9850, 0.9215, 3.5608

Previews

White Background



This preview shows how the XYZ color 49.4202, 45.5438, 14.1688 looks on a white background.

Color Contrast Check

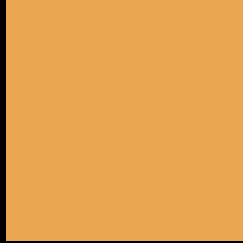
Large Text (above 18pt) WCAG AA × Fail

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 49.4202, 45.5438, 14.1688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

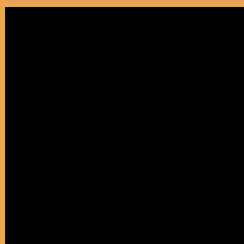
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4202, 45.5438, 14.1688

Background



This preview shows how black text looks on a background with the XYZ color 49.4202, 45.5438, 14.1688.



This preview shows how white text looks on a background with the XYZ color 49.4202, 45.5438,

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

49.4202, 45.5438, 14.1688

Protanopia

41.8610, 45.6100, 15.6141

Deuteranopia

46.4795, 45.4079, 14.0994



Tritanopia

55.2320, 45.3049, 42.8795

Trichromacy



Original Color

49.4202, 45.5438, 14.1688

Protanomaly

44.4102, 45.4620, 15.0287

Deuteranomaly

47.3517, 45.3009, 14.0328

Tritanomaly

52.6828, 45.2985, 29.6337

Monochromacy



Original Color

49.4202, 45.5438, 14.1688

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1148, 43.8459, 31.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4202, 45.5438, 14.1688 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(235, 166, 82)` looks like.

```
.text, #text, p{  
    color:rgb(235, 166, 82)  
}
```

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(235, 166, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 166, 82) }
```

Border

The CSS property to change the border of an element to XYZ 49.4202, 45.5438, 14.1688 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(235, 166, 82) }
```


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

```
.border{ border-color:rgb(235, 166, 82) }
```

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

Here you see how a box with a 4 pixel rgb(235, 166, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 166, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 166, 82);  
box-shadow:4px 4px 4px 4px rgb(235, 166,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4202, 45.5438, 14.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 166, 82) }
```

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

```
.background{ background-color: rgb(235,  
166, 82) }
```

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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