

Converting Colors

XYZ(49.5769, 45.6065, 14.9940)

Have a look what the booklet for
XYZ(49.5769, 45.6065, 14.9940)
contains.

XYZ(49.5769, 45.6065, 14.9940)	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(49.5769, 45.6065,
14.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA656
RGB	235, 166, 86
RGB Percent	92%, 65%, 34%
CMY	0.0784, 0.3490, 0.6627
CMYK	0.00, 0.29, 0.63, 0.08
HSL	32°, 79%, 63%
HSV	32°, 63%, 92%
XYZ	49.5769, 45.6065, 14.9940
YIQ	177.5110, 66.8040, -10.2520

Conversions

Conversions Part 2

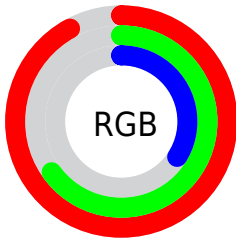
Format	Color
R _Y B	215, 235, 86
Decimal	15443542
CIE Lab	73.29, 17.62, 50.67
CIE LCh	73, 53.643, 70.827
Yxy	45.6065, 0.4500, 0.4139
Android (android.graphics.Color)	4293633622 (0xFFEBA656)
YUV	177.5110, -45.1149, 50.4179
Hunter-Lab	67.5326, 12.8581, 34.1089

Details

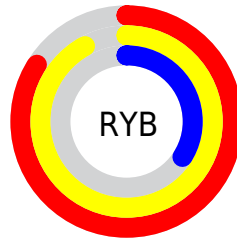
The XYZ color **49.5769, 45.6065, 14.9940** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **30.5538, 31.4177, 83.0508**, and the grayscale version is **42.2655, 44.4666, 48.4242**.

A 20% lighter version of the original color is **71.6839, 74.8079, 34.7060**, and **23.9999, 21.2699, 4.4307** is the 20% darker color. If you saturate the color by 10%, you get **46.8863, 41.4997, 10.1691**, and if you desaturate by 10%, it is **52.7482, 50.1771, 21.5151**.

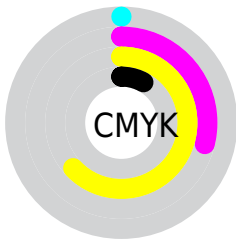
Distribution



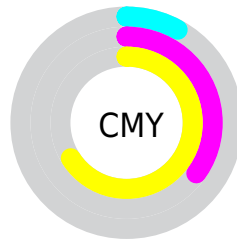
- Red (92%)
- Green (65%)
- Blue (34%)



- Red (84%)
- Yellow (92%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (63%)
- Black (8%)





- Cyan (8%)
- Magenta (35%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5769, 45.6065, 14.9940 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 49.5769, 45.6065, 14.9940 by changing the saturation by 10% instead.


 49.5769, 45.6065,
14.9940


 49.5769, 45.6065,
14.9940

375.4884,
369.2244, 234.9694

 35.2938, 31.9354,
8.6686


 88.7433, 83.6298,
35.5848


 24.0568, 21.3122,
4.4318


 114.3572,
108.7508, 50.6873


 15.5007, 13.3524,
1.8651


 144.4787,
138.4572, 69.5526

 9.2602, 7.6716,
0.4704

 179.4733,
173.1334, 92.5991

 4.9697, 3.8856,
0.0000

 219.7062,
213.1638, 120.2456

 2.2641, 1.6098,
0.0000

265.5427,

 0.7762, 0.3642,

258.9329, 152.9104

0.0000

317.3484,
310.8249, 191.0122

■ 0.0000, 0.0000,
0.0000

■ 49.5769, 45.6065,
14.9940

■ 49.5769, 45.6065,
14.9940

■ 46.8863, 41.4997,
10.1691

■ 52.7482, 50.1771,
21.5151

■ 44.6372, 37.8288,
6.8687

■ 56.4286, 55.2237,
29.8762

■ 42.7877, 34.5723,
4.8889

■ 60.6474, 60.7660,
40.2083

■ 41.7451, 32.6307,
4.0981

■ 65.4306, 66.8203,
52.6301

■ 70.8023, 73.4021,
67.2503

■ 76.7850, 80.5260,
84.1704

■ 83.4000, 88.2059,
103.4853

■ 87.4548, 95.1702,
108.3681

■ 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.



58.5601, 45.6065, 22.8644



49.5769, 45.6065, 14.9940



40.0311, 45.6065, 14.1311

Triad

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



49.5769, 45.6065, 14.9940



27.8709, 45.6065, 60.0611



56.3102, 45.6065, 100.2036

Complementary

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



49.5769, 45.6065, 14.9940



30.5538, 31.4177, 83.0508

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.



46.8424, 45.6065, 120.0835



49.5769, 45.6065, 14.9940



31.0281, 45.6065, 91.9137

Square

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



49.5769, 45.6065, 14.9940



28.3825, 45.6065, 34.4863



37.6633, 45.6065, 116.5954



62.8203, 45.6065, 68.7310

Rectangle

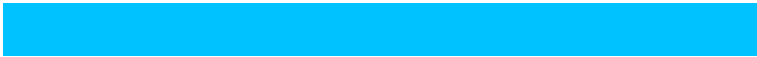
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5769, 45.6065, 14.9940



34.7069, 45.6065, 17.0897



37.6633, 45.6065, 116.5954



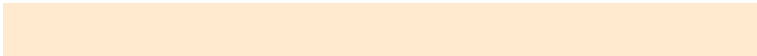
53.3152, 45.6065, 108.9015

Sweetspot

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



49.5780, 45.6088, 14.9949



81.4635, 83.7750, 70.6201



43.5501, 26.7025, 34.1049



17.0484, 17.4525, 14.0688



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.



49.5780, 45.6088, 14.9949



55.5900, 48.6036, 10.8947



64.0317, 76.9167, 20.2761



15.7354, 16.3937, 15.8537



23.3624, 18.4190, 2.3239



1.9306, 1.6386, 0.2145

Inverse Universe

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



30.5538, 31.4177, 83.0508



31.0436, 30.3320, 98.8262



22.6346, 14.8766, 80.2754



14.8060, 15.6985, 19.1720



11.5032, 9.6533, 45.0000



0.9986, 0.9487, 3.5654

Previews

White Background



This preview shows how the XYZ color 49.5769, 45.6065, 14.9940 looks on a white background.

Color Contrast Check

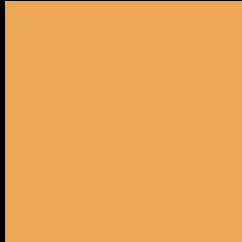
Large Text (above 18pt) WCAG AA × Fail

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 49.5769, 45.6065, 14.9940 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 49.5769, 45.6065, 14.9940

Background



This preview shows how black text looks on a background with the XYZ color 49.5769, 45.6065, 14.9940.



This preview shows how white text looks on a background with the XYZ color 49.5769, 45.6065,

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

49.5769, 45.6065, 14.9940

Protanopia

41.9654, 45.9452, 16.5540

Deuteranopia

46.8236, 45.8489, 14.9762



Tritanopia

55.4940, 45.6793, 43.4282

Trichromacy



Original Color

49.5769, 45.6065, 14.9940

Protanomaly

44.4799, 45.7690, 15.9411

Deuteranomaly

47.6930, 45.7362, 14.9086

Tritanomaly

52.8276, 45.3564, 30.3964

Monochromacy



Original Color

49.5769, 45.6065, 14.9940

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.8001, 44.4586, 33.0609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5769, 45.6065, 14.9940 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(235, 166, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 166, 86) }
```

Border

The CSS property to change the border of an element to XYZ 49.5769, 45.6065, 14.9940 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, 86) }
```


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

```
.border{ border-color:rgb(235, 166, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 166, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 166, 86);  
box-shadow:4px 4px 4px 4px rgb(235, 166,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5769, 45.6065, 14.9940 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, 86) }
```

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

```
.background{ background-color: rgb(235,  
166, 86) }
```

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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