

Converting Colors

XYZ(49.3135, 45.0989, 19.1821)

Have a look what the booklet for
XYZ(49.3135, 45.0989, 19.1821)
contains.

XYZ(49.2325, 45.0655, 19.2004)	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(49.2325, 45.0655,
19.2004)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A568
RGB	232, 165, 104
RGB Percent	91%, 65%, 41%
CMY	0.0902, 0.3529, 0.5921
CMYK	0.00, 0.29, 0.55, 0.09
HSL	29°, 74%, 66%
HSV	29°, 55%, 91%
XYZ	49.2325, 45.0655, 19.2004
YIQ	178.0790, 59.5130, -4.7670

Conversions

Conversions Part 2

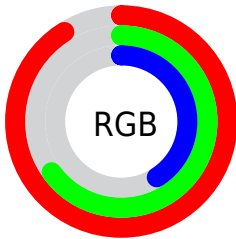
Format	Color
R _Y B	232, 221, 104
Decimal	15246696
CIE Lab	72.94, 18.21, 41.18
CIE LCh	73, 45.029, 66.145
Yxy	45.0655, 0.4338, 0.3971
Android (android.graphics.Color)	4293436776 (0xFFE8A568)
YUV	178.0790, -36.5209, 47.2887
Hunter-Lab	67.1308, 13.4296, 30.0338

Details

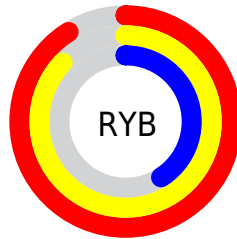
The XYZ color **49.2325, 45.0655, 19.2004** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.8366, 37.8934, 81.8216**, and the grayscale version is **42.5249, 44.7395, 48.7213**.

A 20% lighter version of the original color is **72.8339, 74.8467, 42.0606**, and **23.8283, 20.9703, 6.4062** is the 20% darker color. If you saturate the color by 10%, you get **46.1252, 40.4846, 13.1290**, and if you desaturate by 10%, it is **52.8741, 50.1964, 27.0498**.

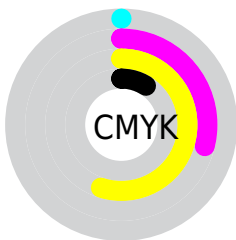
Distribution



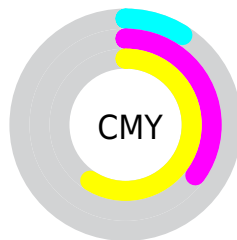
- Red (91%)
- Green (65%)
- Blue (41%)



- Red (91%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (29%)
- Yellow (55%)
- Black (9%)





- Cyan (9%)
- Magenta (35%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2325, 45.0655, 19.2004 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 49.2325, 45.0655, 19.2004 by changing the saturation by 10% instead.


 49.2325, 45.0655,
19.2004


 49.2325, 45.0655,
19.2004


374.1587,
367.0388, 260.0124


 35.0192, 31.5090,
11.6369


 88.2353, 82.8187,
42.9137


 23.8443, 20.9868,
6.3774


 113.7556,
107.7842, 59.9005

 15.3423, 13.1143,
3.0034


 143.7756,
137.3215, 80.8655

 9.1478, 7.5073,
1.0964

 178.6606,
171.8150, 106.2273

 4.8956, 3.7813,
0.0000

218.7761,
211.6491, 136.4043

 2.2203, 1.5520,
0.0000

264.4874,

 0.7534, 0.3249,

257.2081, 171.8151

0.0000

316.1598,
308.8766, 212.8783

■ 0.0000, 0.0000,
0.0000

■ 49.2325, 45.0655,
19.2004

■ 49.2325, 45.0655,
19.2004

■ 46.1252, 40.4846,
13.1290

■ 52.8741, 50.1964,
27.0498

■ 43.5159, 36.4246,
8.6872

■ 57.0764, 55.8915,
36.8040

■ 41.3679, 32.8631,
5.7068

■ 61.8678, 62.1723,
48.5808

■ 39.6358, 29.7717,
3.9803

■ 67.2736, 69.0572,
62.4880

■ 38.9164, 28.4314,
3.4367

■ 73.3173, 76.5636,
78.6253

■ 80.0213, 84.7081,
97.0865

■ 85.5158, 92.7503,
108.0032

■ 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



56.2153, 45.0655, 27.7323



49.2325, 45.0655, 19.2004



41.2379, 45.0655, 17.4159

Triad

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



49.2325, 45.0655, 19.2004



29.5103, 45.0655, 53.8431



52.3676, 45.0655, 92.9100

Complementary

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



49.2325, 45.0655, 19.2004



34.8366, 37.8934, 81.8216

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.



44.4696, 45.0655, 105.8201



49.2325, 45.0655, 19.2004



31.7640, 45.0655, 79.2381

Square

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



49.2325, 45.0655, 19.2004



30.4585, 45.0655, 33.5800



37.0143, 45.0655, 100.1739



58.1745, 45.0655, 68.7100

Rectangle

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



49.2325, 45.0655, 19.2004



36.5205, 45.0655, 19.5937



37.0143, 45.0655, 100.1739



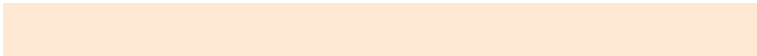
49.8349, 45.0655, 99.0035

Sweetspot

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



49.2336, 45.0677, 19.2013



82.0237, 83.8842, 73.9243



45.7012, 30.0456, 42.5551



17.2600, 17.5791, 15.0538



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.



49.2336, 45.0677, 19.2013



56.7508, 49.5486, 15.5254



63.4473, 73.4952, 23.9392



14.9408, 15.4955, 15.1079



21.7294, 16.0329, 1.9494



1.6982, 1.3698, 0.1749

Inverse Universe

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



34.8366, 37.8934, 81.8216



37.2412, 39.8091, 100.3288



25.6655, 19.5512, 78.7646



14.2039, 15.1292, 18.3159



12.0380, 11.1382, 43.8986



0.9825, 1.0089, 3.2749

Previews

White Background



This preview shows how the XYZ color 49.2325, 45.0655, 19.2004 looks on a white background.

Color Contrast Check

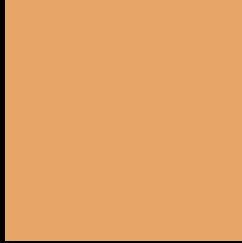
Large Text (above 18pt) WCAG AA × Fail

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 49.2325, 45.0655, 19.2004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

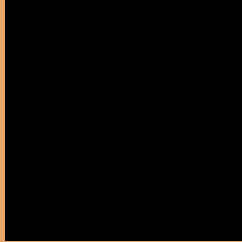
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2325, 45.0655, 19.2004

Background



This preview shows how black text looks on a background with the XYZ color 49.2325, 45.0655, 19.2004.



This preview shows how white text looks on a background with the XYZ color 49.2325, 45.0655,

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

49.2325, 45.0655, 19.2004

Protanopia

41.6454, 45.0801, 20.9744

Deuteranopia

46.2245, 45.1652, 19.1134



Tritanopia

54.1435, 44.9830, 43.3650

Trichromacy



Original Color

49.2325, 45.0655, 19.2004

Protanomaly

44.0844, 44.8890, 20.2509

Deuteranomaly

47.3766, 45.2025, 19.0599

Tritanomaly

51.9426, 44.8481, 32.7069

Monochromacy



Original Color

49.2325, 45.0655, 19.2004

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.8182, 44.1273, 35.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2325, 45.0655, 19.2004 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(232, 165, 104)` looks like.

```
.text, #text, p{  
    color:rgb(232, 165, 104)  
}
```

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(232, 165, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 165, 104) }
```

Border

The CSS property to change the border of an element to XYZ 49.2325, 45.0655, 19.2004 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(232, 165, 104) }
```


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

```
.border{ border-color:rgb(232, 165, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 165, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 165, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 165, 104);  
box-shadow:4px 4px 4px 4px rgb(232, 165,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2325, 45.0655, 19.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 165, 104) }
```

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

```
.background{ background-color: rgb(232,  
165, 104) }
```

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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