

Converting Colors

XYZ(45.2769, 39.1990, 20.3198)

Have a look what the booklet for
XYZ(45.2769, 39.1990, 20.3198)
contains.

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Color

**XYZ(45.1396, 39.1291,
20.2125)**

Conversions

Conversions Part 1

Format	Color
Hex	E2966F
RGB	226, 150, 111
RGB Percent	89%, 59%, 44%
CMY	0.1137, 0.4117, 0.5647
CMYK	0.00, 0.34, 0.51, 0.11
HSL	20°, 66%, 66%
HSV	20°, 51%, 89%
XYZ	45.1396, 39.1291, 20.2125
YIQ	168.2780, 57.8150, 3.9830

Conversions

Conversions Part 2

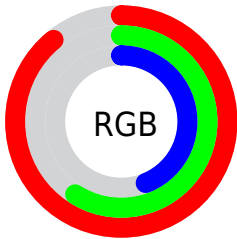
Format	Color
R _Y B	226, 170, 111
Decimal	14849647
CIE Lab	68.84, 24.39, 32.19
CIE LCh	69, 40.389, 52.851
Yxy	39.1291, 0.4320, 0.3745
Android (android.graphics.Color)	4293039727 (0xFFE2966F)
YUV	168.2780, -28.2381, 50.6222
Hunter-Lab	62.5533, 19.3407, 24.6292

Details

The XYZ color **45.1396, 39.1291, 20.2125** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.0525, 44.4092, 78.5175**, and the grayscale version is **37.4715, 39.4230, 42.9316**.

A 20% lighter version of the original color is **69.6822, 67.5670, 44.0194**, and **21.2677, 17.4870, 6.8118** is the 20% darker color. If you saturate the color by 10%, you get **41.8160, 34.2278, 13.7227**, and if you desaturate by 10%, it is **49.0837, 44.7677, 28.4628**.

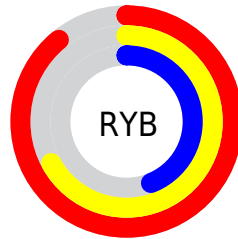
Distribution



Red (89%)

Green (59%)

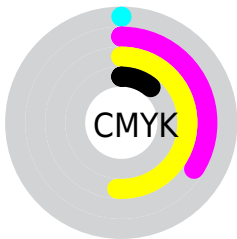
Blue (44%)



Red (89%)

Yellow (67%)

Blue (44%)

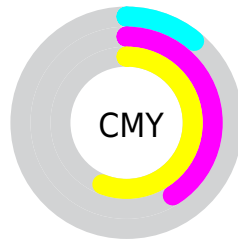


Cyan (0%)

Magenta (34%)

Yellow (51%)

Black (11%)



Cyan (11%)

Magenta (41%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1396, 39.1291, 20.2125 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 45.1396, 39.1291, 20.2125 by changing the saturation by 10% instead.

45.1396, 39.1291,
20.2125

45.1396, 39.1291,
20.2125

358.1128,
342.4391, 265.7054

31.7691, 26.8602,
12.3640

82.1656, 73.8355,
44.6368

21.3399, 17.4682,
6.8665

106.5519, 97.0418,
62.0497

13.4866, 10.5689,
3.3016

135.3409,
124.6626, 83.4878

7.8438, 5.7778,
1.2506

168.8978,
157.0824, 109.3697

4.0461, 2.7104,
0.0208

207.5881,
194.6855, 140.1138

1.7282, 0.9825,
0.0000

251.7772,

0.4739, 0.0000,

237.8564, 176.1388

0.0000

301.8303,
286.9795, 217.8631

■ 0.0000, 0.0000,
0.0000

■ 45.1396, 39.1291,
20.2125

■ 45.1396, 39.1291,
20.2125

■ 41.8160, 34.2278,
13.7227

■ 49.0837, 44.7677,
28.4628

■ 39.0744, 30.0256,
8.8597

■ 53.6778, 51.1680,
38.5893

■ 36.8759, 26.4890,
5.4743

■ 58.9531, 58.3604,
50.7001

■ 35.1744, 23.5789,
3.3875

■ 64.9374, 66.3718,
64.8947

■ 33.9936, 21.4281,
2.3444

■ 71.6572, 75.2277,
81.2656

■ 79.1374, 84.9525,
99.9000

■ 85.0300, 94.6209,
108.3898

■ 85.1739, 94.9087,
108.4378

Harmonies

Analogous

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



49.7411, 39.1291, 30.3173



45.1396, 39.1291, 20.2125



38.7456, 39.1291, 16.3060

Triad

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



45.1396, 39.1291, 20.2125



26.2554, 39.1291, 38.3625



42.1845, 39.1291, 84.1013

Complementary

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



45.1396, 39.1291, 20.2125



38.0525, 44.4092, 78.5175

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.



35.6786, 39.1291, 88.0895



45.1396, 39.1291, 20.2125



26.9523, 39.1291, 57.8315

Square

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



45.1396, 39.1291, 20.2125



28.2085, 39.1291, 24.6496



30.2350, 39.1291, 77.3782



47.9027, 39.1291, 67.6669

Rectangle

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



45.1396, 39.1291, 20.2125



34.5171, 39.1291, 16.6295



30.2350, 39.1291, 77.3782



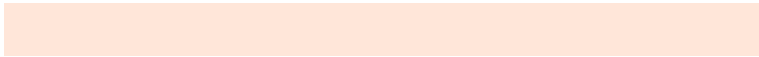
39.9997, 39.1291, 87.1038

Sweetspot

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



45.1406, 39.1310, 20.2132



81.9518, 82.6966, 77.1180



46.0898, 31.1544, 50.9731



17.1849, 17.2234, 15.6624



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.



45.1406, 39.1310, 20.2132



54.7759, 44.6938, 17.6572



56.5057, 61.8613, 24.0016



14.0853, 14.4566, 14.3548



19.4922, 12.4223, 1.3704



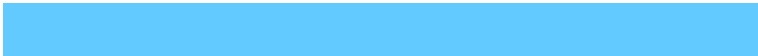
1.4320, 1.0229, 0.1220

Inverse Universe

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



38.0525, 44.4092, 78.5175



44.4221, 52.2525, 102.3522



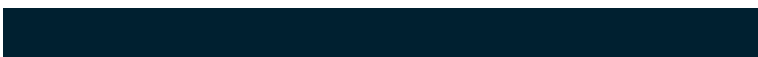
28.2881, 24.8805, 75.2627



13.7046, 14.7484, 17.5121



14.1083, 15.6862, 43.3325



1.0598, 1.2511, 3.0309

Previews

White Background



This preview shows how the XYZ color 45.1396, 39.1291, 20.2125 looks on a white background.

Color Contrast Check

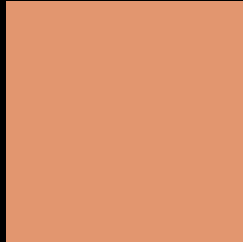
Large Text (above 18pt) WCAG AA × Fail

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 45.1396, 39.1291, 20.2125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

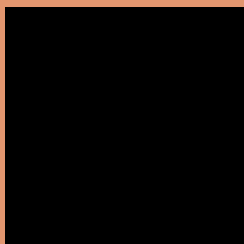
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1396, 39.1291, 20.2125

Background



This preview shows how black text looks on a background with the XYZ color 45.1396, 39.1291, 20.2125.



This preview shows how white text looks on a background with the XYZ color 45.1396, 39.1291,

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

45.1396, 39.1291, 20.2125

Protanopia

36.5641, 39.2584, 22.7900

Deuteranopia

40.1338, 39.2904, 19.9365



Tritanopia

48.5228, 39.1361, 36.0069

Trichromacy



Original Color

45.1396, 39.1291, 20.2125

Protanomaly

39.1281, 38.7333, 21.6337

Deuteranomaly

41.7354, 39.0886, 20.0970

Tritanomaly

47.2522, 39.0799, 29.4788

Monochromacy



Original Color

45.1396, 39.1291, 20.2125

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.9976, 38.4151, 32.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1396, 39.1291, 20.2125 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(226, 150, 111)` looks like.

```
.text, #text, p{  
    color:rgb(226, 150, 111)  
}
```

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(226, 150, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 150, 111) }
```

Border

The CSS property to change the border of an element to XYZ 45.1396, 39.1291, 20.2125 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(226, 150, 111) }
```


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

```
.border{ border-color:rgb(226, 150, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 150, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 150, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 150, 111);  
box-shadow:4px 4px 4px 4px rgb(226, 150,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1396, 39.1291, 20.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 150, 111) }
```

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

```
.background{ background-color: rgb(226,  
150, 111) }
```

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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