

Converting Colors

XYZ(50.4446, 44.1661, 16.9325)

Have a look what the booklet for
XYZ(50.4446, 44.1661, 16.9325)
contains.

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Color

**XYZ(50.4446, 44.1661,
16.9325)**

Conversions

Conversions Part 1

Format	Color
Hex	F09F60
RGB	240, 159, 96
RGB Percent	94%, 62%, 38%
CMY	0.0588, 0.3764, 0.6235
CMYK	0.00, 0.34, 0.60, 0.06
HSL	26°, 83%, 66%
HSV	26°, 60%, 94%
XYZ	50.4446, 44.1661, 16.9325
YIQ	176.0370, 68.4990, -2.4210

Conversions

Conversions Part 2

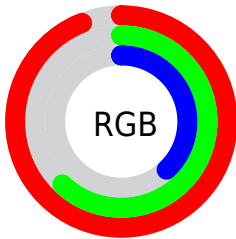
Format	Color
R_{YB}	240, 208, 96
Decimal	15769440
CIE _{Lab}	72.34, 24.05, 44.76
CIE _{LCh}	72, 50.808, 61.752
Yxy	44.1661, 0.4522, 0.3960
Android (android.graphics.Color)	4293959520 (0xFFFF09F60)
YUV	176.0370, -39.4582, 56.0956
Hunter-Lab	66.4576, 19.1896, 31.4140

Details

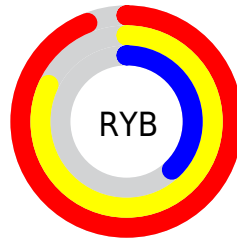
The XYZ color **50.4446, 44.1661, 16.9325** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.2731, 40.2201, 88.2890**, and the grayscale version is **41.4615, 43.6207, 47.5030**.

A 20% lighter version of the original color is **70.6319, 71.4913, 38.0935**, and **24.5932, 20.4239, 5.3353** is the 20% darker color. If you saturate the color by 10%, you get **47.3079, 39.3994, 11.2427**, and if you desaturate by 10%, it is **54.1742, 49.5792, 24.4843**.

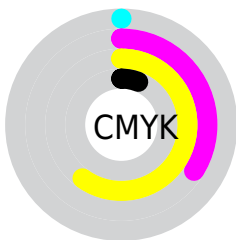
Distribution



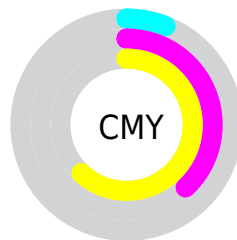
- Red (94%)
- Green (62%)
- Blue (38%)



- Red (94%)
- Yellow (82%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (60%)
- Black (6%)





- Cyan (6%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4446, 44.1661, 16.9325 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 50.4446, 44.1661, 16.9325 by changing the saturation by 10% instead.


 50.4446, 44.1661,
16.9325


 50.4446, 44.1661,
16.9325


378.8254,
363.3857, 246.8139

 35.9860, 30.8011,
10.0249


 90.0212, 81.4676,
38.9987


 24.5935, 20.4474,
5.3097


 115.8699,
106.1730, 54.9945

 15.9015, 12.7207,
2.3682


 146.2460,
135.4272, 74.8567

 9.5449, 7.2365,
0.7690

 181.5149,
169.6147, 99.0040

 5.1582, 3.6104,
0.0000

222.0419,
209.1199, 127.8548

 2.3761, 1.4581,
0.0000

268.1924,

 0.8332, 0.2590,

254.3272, 161.8276

0.0000

320.3318,
305.6210, 201.3412

■ 0.0000, 0.0000,
0.0000

■ 50.4446, 44.1661,
16.9325

■ 50.4446, 44.1661,
16.9325

■ 47.3079, 39.3994,
11.2427

■ 54.1742, 49.5792,
24.4843

■ 44.7209, 35.2435,
7.2421

■ 58.5290, 55.6586,
34.0446

■ 42.6385, 31.6684,
4.7296

■ 63.5425, 62.4314,
45.7480

■ 40.9876, 28.6306,
3.3660

■ 69.2444, 69.9208,
59.7165

■ 40.9875, 28.6303,
3.3659

■ 75.6627, 78.1489,
76.0631

■ 82.8235, 87.1369,
94.8930

■ 89.2681, 96.3114,
108.4928

■ 89.7449, 97.2651,
108.6517

Harmonies

Analogous

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



57.9504, 44.1661, 26.9490



50.4446, 44.1661, 16.9325



41.4668, 44.1661, 14.2424

Triad

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



50.4446, 44.1661, 16.9325



27.3228, 44.1661, 49.5760



51.4572, 44.1661, 101.7184

Complementary

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



50.4446, 44.1661, 16.9325



36.2731, 40.2201, 88.2890

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.



42.4945, 44.1661, 114.0148



50.4446, 44.1661, 16.9325



29.2494, 44.1661, 78.1217

Square

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



50.4446, 44.1661, 16.9325



28.8474, 44.1661, 28.7189



34.5170, 44.1661, 104.1625



58.5897, 44.1661, 74.6522

Rectangle

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



50.4446, 44.1661, 16.9325



36.0539, 44.1661, 15.8092



34.5170, 44.1661, 104.1625



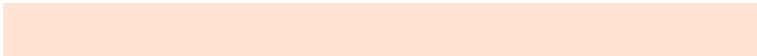
48.5191, 44.1661, 108.0683

Sweetspot

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



50.4456, 44.1683, 16.9333



80.8310, 82.0085, 71.9555



48.1138, 30.0895, 45.1814



16.8644, 16.9873, 14.3075



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.



50.4456, 44.1683, 16.9333



53.5751, 44.0899, 11.7153



66.4544, 76.1859, 22.2696



16.3418, 16.8968, 16.5498



22.5646, 15.9272, 1.8850



1.9745, 1.5197, 0.1893

Inverse Universe

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



36.2731, 40.2201, 88.2890



35.9432, 39.1053, 100.2614



25.6652, 19.0043, 84.7530



15.6349, 16.7039, 20.1217



13.4867, 13.1977, 46.9645



1.2208, 1.2957, 3.9400

Previews

White Background



This preview shows how the XYZ color 50.4446, 44.1661, 16.9325 looks on a white background.

Color Contrast Check

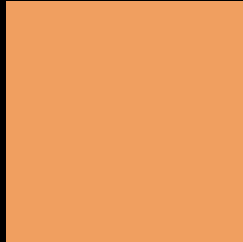
Large Text (above 18pt) WCAG AA × Fail

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 50.4446, 44.1661, 16.9325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

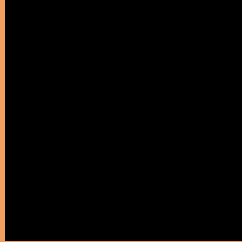
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4446, 44.1661, 16.9325

Background



This preview shows how black text looks on a background with the XYZ color 50.4446, 44.1661, 16.9325.



This preview shows how white text looks on a background with the XYZ color 50.4446, 44.1661,

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

50.4446, 44.1661, 16.9325

Protanopia

40.8743, 44.4222, 19.2520

Deuteranopia

45.1218, 44.0895, 16.7216



Tritanopia

55.2444, 44.1543, 39.7934

Trichromacy



Original Color

50.4446, 44.1661, 16.9325

Protanomaly

43.7271, 43.8948, 18.2245

Deuteranomaly

46.8847, 43.9052, 16.8299

Tritanomaly

53.1052, 44.0009, 29.7388

Monochromacy



Original Color

50.4446, 44.1661, 16.9325

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.1944, 42.9981, 33.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4446, 44.1661, 16.9325 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(240, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(240, 159, 96)  
}
```

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(240, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 159, 96) }
```

Border

The CSS property to change the border of an element to XYZ 50.4446, 44.1661, 16.9325 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(240, 159, 96) }
```


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

```
.border{ border-color:rgb(240, 159, 96) }
```

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

Here you see how a box with a 4 pixel rgb(240, 159, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(240, 159,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4446, 44.1661, 16.9325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 159, 96) }
```

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

```
.background{ background-color: rgb(240,  
159, 96) }
```

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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