

Converting Colors

XYZ(48.5928, 43.9916, 5.9301)

Have a look what the booklet for
XYZ(48.5928, 43.9916, 5.9301)
contains.

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Color

**XYZ(48.6800, 44.0150,
5.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	F0A100
RGB	240, 161, 0
RGB Percent	94%, 63%, 0%
CMY	0.0588, 0.3686, 0.9999
CMYK	0.00, 0.33, 1.00, 0.06
HSL	40°, 100%, 47%
HSV	40°, 100%, 94%
XYZ	48.6800, 44.0150, 5.9300
YIQ	166.2670, 98.7650, -33.3230

Conversions

Conversions Part 2

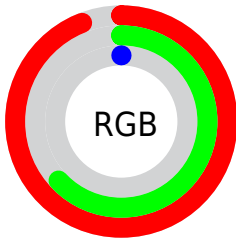
Format	Color
R_{YB}	118, 240, 0
Decimal	15769856
CIE Lab	72.24, 19.71, 76.33
CIE LCh	72, 78.828, 75.524
Yxy	44.0150, 0.4936, 0.4463
Android (android.graphics.Color)	4293959936 (0xFFFF0A100)
YUV	166.2670, -81.9696, 64.6638
Hunter-Lab	66.3438, 14.8734, 41.1412

Details

The XYZ color **48.6800, 44.0150, 5.9300** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **18.5246, 11.8841, 83.7548**, and the grayscale version is **36.7278, 38.6405, 42.0795**.

A 20% lighter version of the original color is **67.1710, 70.9218, 17.3567**, and **23.9360, 20.6168, 2.7179** is the 20% darker color. If you saturate the color by 10%, you get **48.6801, 44.0156, 5.9301**, and if you desaturate by 10%, it is **50.2704, 46.9323, 7.2742**.

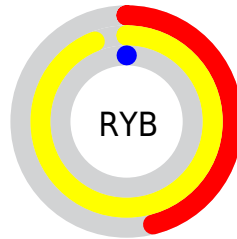
Distribution



Red (94%)

Green (63%)

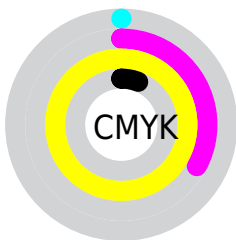
Blue (0%)



Red (46%)

Yellow (94%)

Blue (0%)

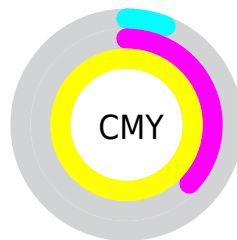


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6800, 44.0150, 5.9300 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 48.6800, 44.0150, 5.9300 by changing the saturation by 10% instead.


 48.6800, 44.0150,
5.9300


 48.6800, 44.0150,
5.9300


372.0191,
362.7695, 167.7291

 34.5792, 30.6823,
2.7345


 87.4196, 81.2403,
18.2606

 23.5039, 20.3571,
0.9607


 112.7891,
105.9017, 28.2327


 15.0888, 12.6549,
0.0000


 142.6455,
135.1081, 41.3008

 8.9684, 7.1913,
0.0000

 177.3542,
169.2440, 57.8833

 4.7775, 3.5820,
0.0000

 217.2806,
208.6937, 78.3989

 2.1507, 1.4426,
0.0000

 262.7899,

 0.7166, 0.2478,

253.8415, 103.2660

0.0000

314.2476,
305.0720, 132.9033

0.0000, 0.0000,
0.0000

48.6800, 44.0150,
5.9300

48.6800, 44.0150,
5.9300

48.6801, 44.0156,
5.9301

50.2704, 46.9323,
7.2742

52.1525, 50.1064,
9.7206

54.3925, 53.5681,
13.6061

57.0297, 57.3356,
19.1307

60.0973, 61.4244,
26.4622

■ 63.6246, 65.8486,
35.7476

■ 67.6379, 70.6207,
47.1185

■ 72.1613, 75.7526,
60.6952

■ 77.2171, 81.2554,
76.5887

Harmonies

Analogous

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



62.8335, 44.0150, 11.9997



48.6800, 44.0150, 5.9300



35.2522, 44.0150, 6.0180

Triad

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



48.6800, 44.0150, 5.9300



21.4439, 44.0150, 70.7554



63.2755, 44.0150, 121.3570

Complementary

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



48.6800, 44.0150, 5.9300



18.5246, 11.8841, 83.7548

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.



49.1900, 44.0150, 161.5006



48.6800, 44.0150, 5.9300



26.1290, 44.0150, 123.1551

Square

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



48.6800, 44.0150, 5.9300



21.3652, 44.0150, 31.6105



35.6636, 44.0150, 162.2943



72.4131, 44.0150, 69.0633

Rectangle

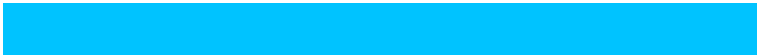
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6800, 44.0150, 5.9300



28.4681, 44.0150, 9.2686



35.6636, 44.0150, 162.2943



58.8420, 44.0150, 137.7168

Sweetspot

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



48.6810, 44.0173, 5.9308



77.5729, 80.9878, 53.9269



37.3833, 19.1047, 9.3084



16.1724, 16.8286, 10.2989



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.



48.6810, 44.0173, 5.9308



55.8153, 50.4106, 6.7884



54.9797, 74.5992, 11.5017



16.6590, 17.5311, 16.6555



26.7752, 24.3485, 3.2885



2.3180, 2.2066, 0.3037

Inverse Universe

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



18.5246, 11.8841, 83.7548



21.2152, 13.5505, 96.1051



16.6037, 6.7429, 82.8637



15.3222, 16.0785, 20.0175



10.2485, 6.7212, 45.8850



0.9402, 0.7344, 3.8464

Previews

White Background



This preview shows how the XYZ color 48.6800, 44.0150, 5.9300 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 48.6800, 44.0150, 5.9300 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 48.6800, 44.0150, 5.9300

Background



This preview shows how black text looks on a background with the XYZ color 48.6800, 44.0150, 5.9300.



This preview shows how white text looks on a background with the XYZ color 48.6800, 44.0150,

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

48.6800, 44.0150, 5.9300

Protanopia

39.8333, 44.1576, 6.9140

Deuteranopia

44.7431, 43.8526, 6.1062



Tritanopia

55.6971, 44.1601, 39.3064

Trichromacy



Original Color

48.6800, 44.0150, 5.9300

Protanomaly

42.8316, 43.9740, 6.5175

Deuteranomaly

46.0883, 43.7333, 6.0122

Tritanomaly

51.2621, 43.3036, 18.2270

Monochromacy



Original Color

48.6800, 44.0150, 5.9300

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8693, 38.9290, 19.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6800, 44.0150, 5.9300 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, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 161, 0)  
}
```

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, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.6800, 44.0150, 5.9300 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, 161, 0) }
```


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

```
.border{ border-color:rgb(240, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6800, 44.0150, 5.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 161, 0) }
```

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

```
.background{ background-color: rgb(240,  
161, 0) }
```

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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