

Converting Colors

XYZ(49.8359, 44.6041, 8.8124)

Have a look what the booklet for
XYZ(49.8359, 44.6041, 8.8124)
contains.

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Color

**XYZ(49.8963, 44.5804,
8.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	F2A130
RGB	242, 161, 48
RGB Percent	95%, 63%, 19%
CMY	0.0510, 0.3686, 0.8117
CMYK	0.00, 0.33, 0.80, 0.05
HSL	35°, 88%, 57%
HSV	35°, 80%, 95%
XYZ	49.8963, 44.5804, 8.7714
YIQ	172.3370, 84.5490, -17.9710

Conversions

Conversions Part 2

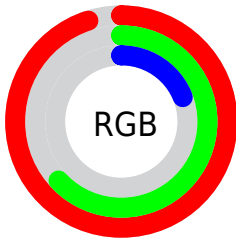
Format	Color
RYB	187, 242, 48
Decimal	15900976
CIELab	72.61, 21.39, 66.41
CIELCh	73, 69.766, 72.148
Yxy	44.5804, 0.4833, 0.4318
Android (android.graphics.Color)	4294091056 (0xFFFF2A130)
YUV	172.3370, -61.2981, 61.0945
Hunter-Lab	66.7686, 16.5485, 38.9490

Details

The XYZ color **49.8963, 44.5804, 8.7714** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.0958, 22.7389, 87.0700**, and the grayscale version is **39.6559, 41.7211, 45.4343**.

A 20% lighter version of the original color is **68.2440, 71.3510, 23.0072**, and **24.2910, 20.6406, 2.7038** is the 20% darker color. If you saturate the color by 10%, you get **47.8316, 41.0444, 6.2549**, and if you desaturate by 10%, it is **52.3778, 48.5151, 12.7697**.

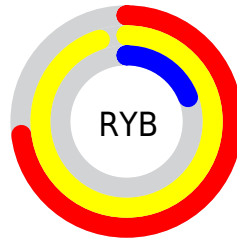
Distribution



Red (95%)

Green (63%)

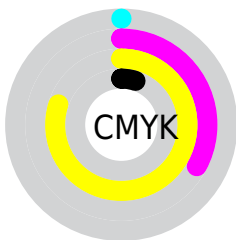
Blue (19%)



Red (73%)

Yellow (95%)

Blue (19%)

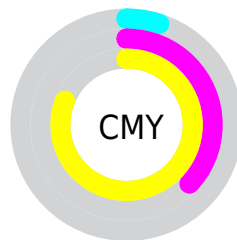


Cyan (0%)

Magenta (33%)

Yellow (80%)

Black (5%)



Cyan (5%)

Magenta (37%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8963, 44.5804, 8.7714 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 49.8963, 44.5804, 8.7714 by changing the saturation by 10% instead.

49.8963, 44.5804,
8.7714

49.8963, 44.5804,
8.7714

376.7190,
365.0715, 191.8181

35.5485, 31.1271,
4.4976

89.2140, 82.0904,
24.0280

24.2542, 20.6956,
1.9021

114.9145,
106.9158, 35.8480

15.6480, 12.9017,
0.4941

145.1300,
136.3008, 51.0204

9.3647, 7.3609,
0.0000

180.2257,
170.6296, 69.9638

5.0388, 3.6888,
0.0000

220.5672,
210.2867, 93.0967

2.3051, 1.5011,
0.0000

266.5196,

0.7972, 0.2895,

255.6564, 120.8377

0.0000

318.4484,
307.1232, 153.6053

■ 0.0000, 0.0000,
0.0000

■ 49.8963, 44.5804,
8.7714

■ 49.8963, 44.5804,
8.7714

■ 47.8316, 41.0444,
6.2549

■ 52.3778, 48.5151,
12.7697


■ 46.1374, 37.9166,
4.8869


■ 55.3150, 52.8638,
18.4525


■ 58.7446, 57.6479,
25.9931


■ 62.6982, 62.8850,
35.5424

■ 67.2041, 68.5911,
47.2354

 72.2884, 74.7812,
61.1956

 77.9755, 81.4696,
77.5368

 84.2879, 88.6696,
96.3652

 89.4584, 95.6786,
108.3606

Harmonies

Analogous

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



62.0233, 44.5804, 16.1955



49.8963, 44.5804, 8.7714



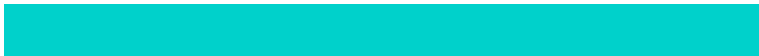
37.6719, 44.5804, 8.2352

Triad

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



49.8963, 44.5804, 8.7714



23.4858, 44.5804, 63.9207



59.9404, 44.5804, 116.4162

Complementary

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



49.8963, 44.5804, 8.7714



25.0958, 22.7389, 87.0700

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.



47.4483, 44.5804, 146.8845



49.8963, 44.5804, 8.7714



27.3839, 44.5804, 108.2310

Square

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



49.8963, 44.5804, 8.7714



23.8917, 44.5804, 30.8757



35.6455, 44.5804, 143.3299



68.5376, 44.5804, 71.9126

Rectangle

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



49.8963, 44.5804, 8.7714



31.1797, 44.5804, 11.2019



35.6455, 44.5804, 143.3299



55.9664, 44.5804, 129.4129

Sweetspot

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



49.8973, 44.5827, 8.7722



79.0989, 81.4336, 62.4705



41.8443, 22.6592, 24.0227



16.4961, 16.8999, 12.1830



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.



49.8973, 44.5827, 8.7722



52.6539, 43.9983, 6.0103



64.6196, 80.3860, 14.9070



16.5378, 17.2886, 16.6151



24.9237, 20.6455, 2.6714



2.1715, 1.9136, 0.2549

Inverse Universe

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



25.0958, 22.7389, 87.0700



24.0164, 18.9633, 97.0022



19.0046, 9.5151, 84.8386



15.4395, 16.3131, 20.0566



11.2395, 8.7032, 46.2154



1.0311, 0.9162, 3.8767

Previews

White Background



This preview shows how the XYZ color 49.8963, 44.5804, 8.7714 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 49.8963, 44.5804, 8.7714 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 49.8963, 44.5804, 8.7714

Background



This preview shows how black text looks on a background with the XYZ color 49.8963, 44.5804, 8.7714.



This preview shows how white text looks on a background with the XYZ color 49.8963, 44.5804,

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

49.8963, 44.5804, 8.7714

Protanopia

40.5821, 44.7766, 9.8720

Deuteranopia

45.6939, 44.5653, 8.5765



Tritanopia

56.1393, 44.3778, 39.7893

Trichromacy



Original Color

49.8963, 44.5804, 8.7714

Protanomaly

43.3744, 44.1911, 9.3756

Deuteranomaly

47.0649, 44.4508, 8.5819

Tritanomaly

53.0128, 44.0845, 23.8042

Monochromacy



Original Color

49.8963, 44.5804, 8.7714

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.8594, 41.4079, 25.9177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8963, 44.5804, 8.7714 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(242, 161, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 161, 48)  
}
```

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(242, 161, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 161, 48) }
```

Border

The CSS property to change the border of an element to XYZ 49.8963, 44.5804, 8.7714 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(242, 161, 48) }
```


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

```
.border{ border-color:rgb(242, 161, 48) }
```

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

Here you see how a box with a 4 pixel rgb(242, 161, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 161, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 161, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 161,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8963, 44.5804, 8.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 161, 48) }
```

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

```
.background{ background-color: rgb(242,  
161, 48) }
```

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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