

Converting Colors

XYZ(46.5755, 40.8578, 8.9744)

Have a look what the booklet for
XYZ(46.5755, 40.8578, 8.9744)
contains.

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Color

**XYZ(46.6492, 40.8817,
8.9223)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9936
RGB	236, 153, 54
RGB Percent	93%, 60%, 21%
CMY	0.0745, 0.4000, 0.7882
CMYK	0.00, 0.35, 0.77, 0.07
HSL	33°, 83%, 57%
HSV	33°, 77%, 93%
XYZ	46.6492, 40.8817, 8.9223
YIQ	166.5310, 81.2470, -13.1930

Conversions

Conversions Part 2

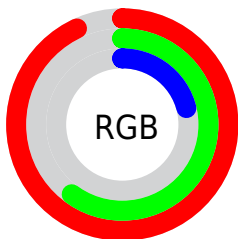
Format	Color
R _Y B	207, 236, 54
Decimal	15505718
CIE Lab	70.09, 23.31, 61.57
CIE LCh	70, 65.832, 69.262
Yxy	40.8817, 0.4836, 0.4239
Android (android.graphics.Color)	4293695798 (0xFFEC9936)
YUV	166.5310, -55.4778, 60.9243
Hunter-Lab	63.9388, 18.3392, 36.4836

Details

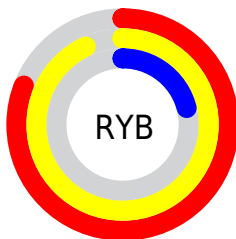
The XYZ color **46.6492, 40.8817, 8.9223** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.6068, 24.7306, 82.7803**, and the grayscale version is **36.7370, 38.6502, 42.0901**.

A 20% lighter version of the original color is **66.2067, 66.9472, 23.3425**, and **22.4306, 18.6167, 2.4112** is the 20% darker color. If you saturate the color by 10%, you get **44.5409, 37.3475, 6.1167**, and if you desaturate by 10%, it is **49.1869, 44.8453, 13.1969**.

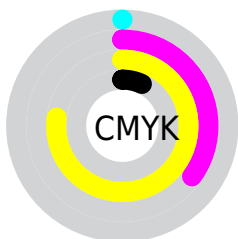
Distribution



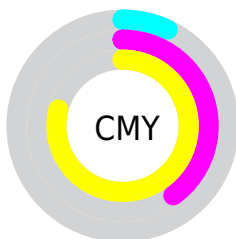
- Red (93%)
- Green (60%)
- Blue (21%)



- Red (81%)
- Yellow (93%)
- Blue (21%)



- Cyan (0%)
- Magenta (35%)
- Yellow (77%)
- Black (7%)





- Cyan (7%)
- Magenta (40%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6492, 40.8817, 8.9223 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 46.6492, 40.8817, 8.9223 by changing the saturation by 10% instead.


 46.6492, 40.8817,
8.9223

 46.6492, 40.8817,
8.9223


364.0849,
349.8259, 192.9939


 32.9652, 28.2267,
4.5944


 84.4117, 76.5043,
24.3230


 22.2589, 18.4966,
1.9568


 109.2209,
100.2406, 36.2329


 14.1649, 11.3071,
0.5285


 138.4692,
128.4395, 51.5072

 8.3179, 6.2738,
0.0000

 172.5220,
161.4853, 70.5645

 4.3526, 3.0123,
0.0000

 211.7446,
199.7625, 93.8232

 1.9035, 1.1381,
0.0000

 256.5024,

 0.5788, 0.0103,

243.6554, 121.7020

0.0000

307.1607,
293.5484, 154.6194

■ 0.0000, 0.0000,
0.0000

■ 46.6492, 40.8817,
8.9223

■ 46.6492, 40.8817,
8.9223

■ 44.5409, 37.3475,
6.1167

■ 49.1869, 44.8453,
13.1969

■ 42.8105, 34.2103,
4.5423


■ 52.1895, 49.2538,
19.1204


■ 42.3608, 33.3706,
4.2085


■ 55.6911, 54.1288,
26.8488


■ 59.7213, 59.4880,
36.5192

■ 64.3068, 65.3480,
48.2553

 69.4726, 71.7244,
62.1705

 75.2418, 78.6319,
78.3697

 81.6360, 86.0845,
96.9512

 86.7851, 93.3393,
108.0500

Harmonies

Analogous

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



57.1684, 40.8817, 16.5677



46.6492, 40.8817, 8.9223



35.6227, 40.8817, 7.9131

Triad

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



46.6492, 40.8817, 8.9223



21.8117, 40.8817, 54.7416



53.4685, 40.8817, 107.9180

Complementary

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



46.6492, 40.8817, 8.9223



25.6068, 24.7306, 82.7803

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.



42.2810, 40.8817, 132.2857



46.6492, 40.8817, 8.9223



24.9438, 40.8817, 93.4989

Square

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



46.6492, 40.8817, 8.9223



22.5482, 40.8817, 26.6626



31.9845, 40.8817, 126.0501



61.5827, 40.8817, 68.9509

Rectangle

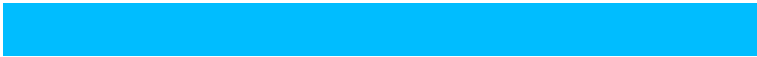
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6492, 40.8817, 8.9223



29.5998, 40.8817, 10.2580



31.9845, 40.8817, 126.0501



49.8669, 40.8817, 118.7502

Sweetspot

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



46.6501, 40.8838, 8.9231



79.0573, 80.8886, 63.8800



40.5666, 22.3336, 26.5738



16.4586, 16.7368, 12.4425



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.



46.6501, 40.8838, 8.9231



51.7594, 42.1260, 5.9690



63.2728, 77.0688, 15.0314



15.7445, 16.4119, 15.8567



23.4813, 18.6569, 2.3635



1.9398, 1.6570, 0.2176

Inverse Universe

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



25.6068, 24.7306, 82.7803



25.7567, 22.2672, 97.5482



18.3272, 9.6576, 80.2545



14.7970, 15.6805, 19.1690



11.4054, 9.4578, 44.9674



0.9907, 0.9328, 3.5627

Previews

White Background



This preview shows how the XYZ color 46.6492, 40.8817, 8.9223 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 46.6492, 40.8817, 8.9223 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 46.6492, 40.8817, 8.9223

Background



This preview shows how black text looks on a background with the XYZ color 46.6492, 40.8817, 8.9223.



This preview shows how white text looks on a background with the XYZ color 46.6492, 40.8817,

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

46.6492, 40.8817, 8.9223

Protanopia

37.2802, 41.0273, 10.0919

Deuteranopia

41.6972, 40.8717, 8.7090



Tritanopia

52.2731, 40.8553, 35.7026

Trichromacy



Original Color

46.6492, 40.8817, 8.9223

Protanomaly

40.2061, 40.6156, 9.5914

Deuteranomaly

43.4271, 40.7233, 8.7035

Tritanomaly

49.6389, 40.7007, 22.3793

Monochromacy



Original Color

46.6492, 40.8817, 8.9223

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.4245, 38.5535, 25.1550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6492, 40.8817, 8.9223 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(236, 153, 54)` looks like.

```
.text, #text, p{  
    color:rgb(236, 153, 54)  
}
```

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(236, 153, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 153, 54) }
```

Border

The CSS property to change the border of an element to XYZ 46.6492, 40.8817, 8.9223 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(236, 153, 54) }
```


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

```
.border{ border-color:rgb(236, 153, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 153, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 153, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 153, 54);  
box-shadow:4px 4px 4px 4px rgb(236, 153,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6492, 40.8817, 8.9223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 153, 54) }
```

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

```
.background{ background-color: rgb(236,  
153, 54) }
```

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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