

Converting Colors

XYZ(46.3459, 41.0898, 7.9203)

Have a look what the booklet for
XYZ(46.3459, 41.0898, 7.9203)
contains.

XYZ(46.2712, 40.9552, 7.8493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.2712, 40.9552,
7.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9A2C
RGB	235, 154, 44
RGB Percent	92%, 60%, 17%
CMY	0.0784, 0.3961, 0.8274
CMYK	0.00, 0.34, 0.81, 0.08
HSL	35°, 83%, 55%
HSV	35°, 81%, 92%
XYZ	46.2712, 40.9552, 7.8493
YIQ	165.6790, 83.5860, -17.0380

Conversions

Conversions Part 2

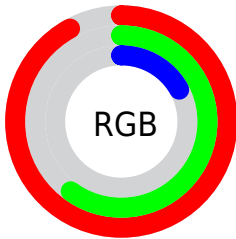
Format	Color
R _Y B	185, 235, 44
Decimal	15440428
CIE Lab	70.14, 22.02, 65.29
CIE LCh	70, 68.901, 71.361
Yxy	40.9552, 0.4867, 0.4308
Android (android.graphics.Color)	4293630508 (0xFFEB9A2C)
YUV	165.6790, -59.9877, 60.7945
Hunter-Lab	63.9962, 17.0674, 37.5253

Details

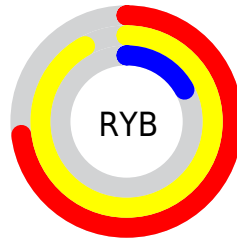
The XYZ color **46.2712, 40.9552, 7.8493** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.3675, 21.2002, 81.4572**, and the grayscale version is **36.3438, 38.2365, 41.6395**.

A 20% lighter version of the original color is **66.0480, 67.2726, 21.3082**, and **22.3058, 18.6992, 2.4337** is the 20% darker color. If you saturate the color by 10%, you get **44.3710, 37.6734, 5.6187**, and if you desaturate by 10%, it is **48.5595, 44.6142, 11.4419**.

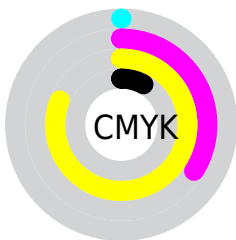
Distribution



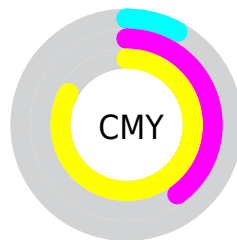
- Red (92%)
- Green (60%)
- Blue (17%)



- Red (73%)
- Yellow (92%)
- Blue (17%)



- Cyan (0%)
- Magenta (34%)
- Yellow (81%)
- Black (8%)





- Cyan (8%)
- Magenta (40%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2712, 40.9552, 7.8493 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 46.2712, 40.9552, 7.8493 by changing the saturation by 10% instead.


 46.2712, 40.9552,
7.8493

 46.2712, 40.9552,
7.8493


362.5956,
350.1333, 184.4354

 32.6654, 28.2841,
3.9123


 83.8501, 76.6159,
22.2038


 22.0283, 18.5399,
1.5773


 108.5539,
100.3742, 33.4583


 13.9944, 11.3383,
0.2746


 137.6878,
128.5971, 47.9890

 8.1984, 6.2949,
0.0000

 171.6171,
161.6689, 66.2146

 4.2751, 3.0252,
0.0000

 210.7072,
199.9741, 88.5534

 1.8589, 1.1449,
0.0000

 255.3234,

 0.5528, 0.0160,

243.8969, 115.4242

0.0000

305.8311,
293.8219, 147.2453

■ 0.0000, 0.0000,
0.0000

■ 46.2712, 40.9552,
7.8493

■ 46.2712, 40.9552,
7.8493

■ 44.3710, 37.6734,
5.6187

■ 48.5595, 44.6142,
11.4419

■ 42.9731, 35.0867,
4.5075

■ 51.2732, 48.6653,
16.5895

■ 54.4470, 53.1290,
23.4558

■ 58.1109, 58.0219,
32.1829

■ 62.2915, 63.3596,
42.8983

■ 67.0137, 69.1562,
55.7177

■ 72.3002, 75.4254,
70.7481

■ 78.1725, 82.1800,
88.0891

■ 84.5695, 89.3997,
107.4063

Harmonies

Analogous

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



57.5615, 40.9552, 14.8702



46.2712, 40.9552, 7.8493



34.8120, 40.9552, 7.2262

Triad

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



46.2712, 40.9552, 7.8493



21.3122, 40.9552, 57.9701



55.0738, 40.9552, 109.2742

Complementary

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



46.2712, 40.9552, 7.8493



23.3675, 21.2002, 81.4572

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.



43.3535, 40.9552, 137.3058



46.2712, 40.9552, 7.8493



24.8223, 40.9552, 99.4593

Square

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



46.2712, 40.9552, 7.8493



21.7922, 40.9552, 27.5541



32.4036, 40.9552, 133.0358



63.2819, 40.9552, 67.5139

Rectangle

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



46.2712, 40.9552, 7.8493



28.7031, 40.9552, 9.8199



32.4036, 40.9552, 133.0358



51.3285, 40.9552, 121.3511

Sweetspot

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



46.2721, 40.9573, 7.8501



78.9877, 81.2111, 62.4335



38.9773, 20.9900, 21.9970



16.4693, 16.8464, 12.1741



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.



46.2721, 40.9573, 7.8501



52.0198, 42.7749, 5.6611



60.3687, 75.1699, 13.7108



15.7859, 16.4948, 15.8705



24.0458, 19.7858, 2.5517



1.9831, 1.7436, 0.2320

Inverse Universe

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



23.3675, 21.2002, 81.4572



23.8061, 18.6375, 96.9504



17.5686, 8.6620, 79.3427



14.7563, 15.5990, 19.1554



10.9838, 8.6147, 44.8268



0.9560, 0.8634, 3.5511

Previews

White Background



This preview shows how the XYZ color 46.2712, 40.9552, 7.8493 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 46.2712, 40.9552, 7.8493 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 46.2712, 40.9552, 7.8493

Background



This preview shows how black text looks on a background with the XYZ color 46.2712, 40.9552, 7.8493.



This preview shows how white text looks on a background with the XYZ color 46.2712, 40.9552,

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

46.2712, 40.9552, 7.8493

Protanopia

37.2992, 41.0643, 8.8660

Deuteranopia

41.7991, 40.9465, 7.7079



Tritanopia

52.0816, 40.9804, 35.7369

Trichromacy



Original Color

46.2712, 40.9552, 7.8493

Protanomaly

39.9806, 40.5254, 8.4043

Deuteranomaly

43.4025, 40.9897, 7.7221

Tritanomaly

49.2238, 40.7454, 21.1899

Monochromacy



Original Color

46.2712, 40.9552, 7.8493

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9190, 38.3222, 23.8107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2712, 40.9552, 7.8493 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(235, 154, 44)` looks like.

```
.text, #text, p{  
    color:rgb(235, 154, 44)  
}
```

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(235, 154, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 154, 44) }
```

Border

The CSS property to change the border of an element to XYZ 46.2712, 40.9552, 7.8493 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(235, 154, 44) }
```


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

```
.border{ border-color:rgb(235, 154, 44) }
```

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

Here you see how a box with a 4 pixel rgb(235, 154, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 154, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 154, 44);  
box-shadow:4px 4px 4px 4px rgb(235, 154,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2712, 40.9552, 7.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 154, 44) }
```

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

```
.background{ background-color: rgb(235,  
154, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor