

Converting Colors

XYZ(45.4727, 40.2814, 5.3784)

Have a look what the booklet for
XYZ(45.4727, 40.2814, 5.3784)
contains.

XYZ(45.6522, 40.4446, 5.4005)	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(45.6522, 40.4446,
5.4005)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9900
RGB	235, 153, 0
RGB Percent	92%, 60%, 0%
CMY	0.0784, 0.4000, 0.9999
CMYK	0.00, 0.35, 1.00, 0.08
HSL	39°, 100%, 46%
HSV	39°, 100%, 92%
XYZ	45.6522, 40.4446, 5.4005
YIQ	160.0760, 97.9850, -30.1990

Conversions

Conversions Part 2

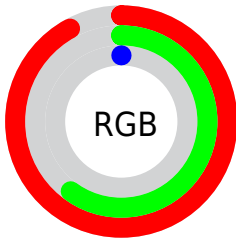
Format	Color
RYB	126, 235, 0
Decimal	15440128
CIELab	69.79, 21.81, 74.42
CIELCh	70, 77.552, 73.667
Yxy	40.4446, 0.4989, 0.4420
Android (android.graphics.Color)	4293630208 (0xFFEB9900)
YUV	160.0760, -78.9175, 65.7083
Hunter-Lab	63.5961, 16.8424, 39.4824

Details

The XYZ color **45.6522, 40.4446, 5.4005** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **18.0134, 12.0340, 79.9701**, and the grayscale version is **33.7716, 35.5303, 38.6925**.

A 20% lighter version of the original color is **64.8573, 66.4074, 16.2370**, and **21.9850, 18.3870, 2.3903** is the 20% darker color. If you saturate the color by 10%, you get **45.6522, 40.4449, 5.4005**, and if you desaturate by 10%, it is **47.2015, 43.2879, 6.7055**.

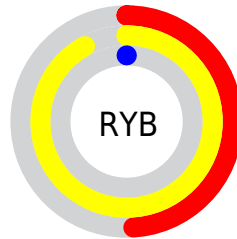
Distribution



Red (92%)

Green (60%)

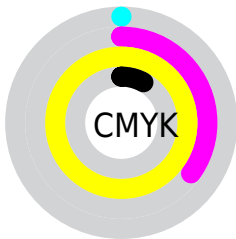
Blue (0%)



Red (49%)

Yellow (92%)

Blue (0%)

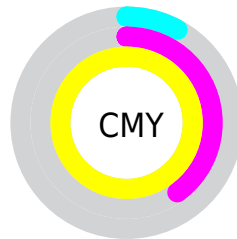


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6522, 40.4446, 5.4005 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 45.6522, 40.4446, 5.4005 by changing the saturation by 10% instead.


 45.6522, 40.4446,
5.4005


 45.6522, 40.4446,
5.4005


360.1480,
347.9939, 162.7105

 32.1749, 27.8854,
2.4213


 82.9293, 75.8401,
17.1289


 21.6513, 18.2393,
0.7980


 107.4598, 99.4451,
26.7153

 13.7161, 11.1219,
0.0000


 136.4055,
127.5008, 39.3410

 8.0038, 6.1489,
0.0000

 170.1316,
160.3916, 55.4248

 4.1492, 2.9358,
0.0000

 209.0036,
198.5020, 75.3851

 1.7869, 1.0983,
0.0000

 253.3867,


 0.5098, 0.0000,


242.2162, 99.6404


0.0000


 303.6464,
291.9187, 128.6094


 0.0000, 0.0000,
0.0000


 45.6522, 40.4446,
5.4005


 45.6522, 40.4446,
5.4005


 45.6522, 40.4449,
5.4005

 47.2015, 43.2879,
6.7055

 49.0377, 46.3947,
9.0614

 51.2246, 49.7950,
12.7915

 53.7998, 53.5065,
18.0854

 56.7950, 57.5446,
25.1025

■ 60.2383, 61.9231,
33.9825

■ 64.1549, 66.6545,
44.8504

■ 68.5679, 71.7506,
57.8205

■ 73.4989, 77.2224,
72.9983

Harmonies

Analogous

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



58.7261, 40.4446, 11.4342



45.6522, 40.4446, 5.4005



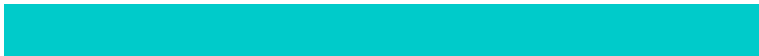
33.0048, 40.4446, 5.1973

Triad

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



45.6522, 40.4446, 5.4005



19.4033, 40.4446, 62.5165



57.6773, 40.4446, 115.5525

Complementary

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



45.6522, 40.4446, 5.4005



18.0134, 12.0340, 79.9701

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.



44.4444, 40.4446, 151.4634



45.6522, 40.4446, 5.4005



23.4654, 40.4446, 111.2723

Square

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



45.6522, 40.4446, 5.4005



19.5884, 40.4446, 27.2886



32.0329, 40.4446, 149.5713



66.6378, 40.4446, 66.5305

Rectangle

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



45.6522, 40.4446, 5.4005



26.5312, 40.4446, 7.8843



32.0329, 40.4446, 149.5713



53.4696, 40.4446, 130.5072

Sweetspot

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



45.6531, 40.4467, 5.4012



77.1541, 80.1503, 53.7873



35.7938, 18.2755, 9.6755



16.0723, 16.6285, 10.2656



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.



45.6531, 40.4467, 5.4012



54.8804, 48.5409, 6.4768



53.4613, 71.6615, 11.0148



15.8840, 16.6909, 15.9032



25.5317, 22.7576, 3.0470



2.0943, 1.9660, 0.2691

Inverse Universe

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



18.0134, 12.0340, 79.9701



21.6204, 14.3609, 96.2401



15.6975, 6.3604, 78.9970



14.6611, 15.4086, 19.1237



10.1328, 6.9125, 44.5432



0.8829, 0.7173, 3.5268

Previews

White Background



This preview shows how the XYZ color 45.6522, 40.4446, 5.4005 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 45.6522, 40.4446, 5.4005 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 45.6522, 40.4446, 5.4005

Background



This preview shows how black text looks on a background with the XYZ color 45.6522, 40.4446, 5.4005.



This preview shows how white text looks on a background with the XYZ color 45.6522, 40.4446,

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

45.6522, 40.4446, 5.4005

Protanopia

36.6488, 40.5007, 6.3760

Deuteranopia

41.2392, 40.4396, 5.6321



Tritanopia

51.6984, 40.3467, 35.1999

Trichromacy



Original Color

45.6522, 40.4446, 5.4005

Protanomaly

39.3427, 39.9827, 5.9310

Deuteranomaly

42.8296, 40.4842, 5.5569

Tritanomaly

48.0332, 39.7716, 16.4543

Monochromacy



Original Color

45.6522, 40.4446, 5.4005

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9488, 35.6380, 17.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6522, 40.4446, 5.4005 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 153, 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(235, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.6522, 40.4446, 5.4005 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, 153, 0) }
```


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

```
.border{ border-color:rgb(235, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6522, 40.4446, 5.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 153, 0) }
```

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

```
.background{ background-color: rgb(235,  
153, 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](#).

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