

Converting Colors

XYZ(40.2304, 28.6262, 8.8327)

Have a look what the booklet for
XYZ(40.2304, 28.6262, 8.8327)
contains.

XYZ(40.3376, 28.6349, 8.8699)	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(40.3376, 28.6349,
8.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	EA6C44
RGB	234, 108, 68
RGB Percent	92%, 42%, 27%
CMY	0.0824, 0.5764, 0.7333
CMYK	0.00, 0.54, 0.71, 0.08
HSL	14°, 80%, 59%
HSV	14°, 71%, 92%
XYZ	40.3376, 28.6349, 8.8699
YIQ	141.1140, 87.9360, 14.2720

Conversions

Conversions Part 2

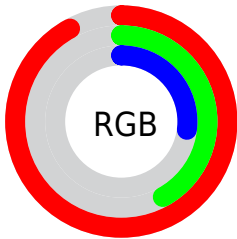
Format	Color
R_{YB}	234, 121, 68
Decimal	15363140
CIE _{Lab}	60.46, 46.19, 45.12
CIE _{LCh}	60, 64.570, 44.335
Yxy	28.6349, 0.5182, 0.3679
Android (android.graphics.Color)	4293553220 (0xFFEA6C44)
YUV	141.1140, -36.0452, 81.4610
Hunter-Lab	53.5116, 40.9099, 27.6304

Details

The XYZ color **40.3376, 28.6349, 8.8699** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **36.5253, 45.7497, 84.7468**, and the grayscale version is **25.4760, 26.8027, 29.1882**.

A 20% lighter version of the original color is **57.4303, 48.4087, 23.4564**, and **18.5057, 11.5535, 1.9165** is the 20% darker color. If you saturate the color by 10%, you get **38.0745, 25.0329, 5.2677**, and if you desaturate by 10%, it is **43.2684, 33.1171, 14.1003**.

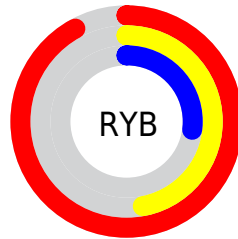
Distribution



Red (92%)

Green (42%)

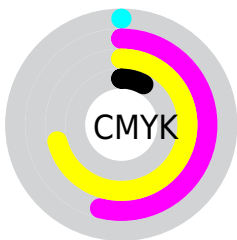
Blue (27%)



Red (92%)

Yellow (47%)

Blue (27%)

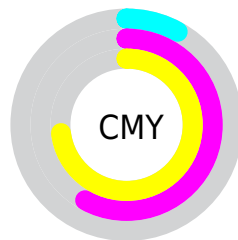


Cyan (0%)

Magenta (54%)

Yellow (71%)

Black (8%)



Cyan (8%)


Magenta (58%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3376, 28.6349, 8.8699 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 40.3376, 28.6349, 8.8699 by changing the saturation by 10% instead.


 40.3376, 28.6349,
8.8699


 40.3376, 28.6349,
8.8699


338.6545,
295.4884, 192.5866


 27.9872, 18.8048,
4.5608


 74.9584, 57.4965,
24.2207

 18.4565, 11.5293,
1.9377


 97.9596, 77.2968,
36.0994


 11.3799, 6.4241,
0.5166


 125.2417,
101.1893, 51.3384

 6.3921, 3.1046,
0.0000

 157.1702,
129.5584, 70.3563

 3.1279, 1.1866,
0.0000

 194.1103,
162.7884, 93.5714

 1.2217, 0.0507,
0.0000

236.4275,

 0.1234, 0.0000,

201.2638, 121.4025

0.0000

284.4872,
245.3690, 154.2681

■ 0.0000, 0.0000,
0.0000

■ 40.3376, 28.6349,
8.8699

■ 40.3376, 28.6349,
8.8699

■ 38.0745, 25.0329,
5.2677

■ 43.2684, 33.1171,
14.1003

■ 36.4176, 22.2452,
3.0936


■ 46.9165, 38.5296,
21.1239


■ 35.3648, 20.3591,
2.0658


■ 51.3289, 44.9240,
30.0870


■ 56.5476, 52.3468,
41.1203

■ 62.6116, 60.8413,
54.3430

 69.5571, 70.4484,
69.8653

 77.4184, 81.2067,
87.7897

 86.1953, 93.1401,
108.0426

 87.7414, 96.2323,
108.5580

Harmonies

Analogous

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



45.8444, 28.6349, 21.1552



40.3376, 28.6349, 8.8699



31.7688, 28.6349, 4.5992

Triad

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



40.3376, 28.6349, 8.8699



14.5364, 28.6349, 20.3716



31.3726, 28.6349, 99.9659

Complementary

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



40.3376, 28.6349, 8.8699



36.5253, 45.7497, 84.7468

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.



23.1215, 28.6349, 99.3684



40.3376, 28.6349, 8.8699



14.4732, 28.6349, 43.9531

Square

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



40.3376, 28.6349, 8.8699



17.4977, 28.6349, 8.5485



17.3028, 28.6349, 75.4075



39.9971, 28.6349, 76.7711

Rectangle

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



40.3376, 28.6349, 8.8699



26.0253, 28.6349, 4.1744



17.3028, 28.6349, 75.4075



28.4438, 28.6349, 102.8090

Sweetspot

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



40.3383, 28.6365, 8.8704



75.9724, 73.7718, 65.7715



45.8791, 25.5789, 54.3069



15.8020, 15.1499, 13.0674



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.



40.3383, 28.6365, 8.8704



45.2914, 28.7965, 5.0261



53.3305, 54.6210, 13.2012



15.3602, 15.6435, 15.7286



19.9549, 11.6040, 1.1881



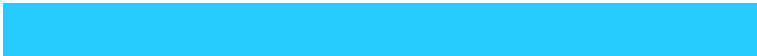
1.6400, 1.0573, 0.1176

Inverse Universe

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



36.5253, 45.7497, 84.7468



40.1583, 50.2362, 102.1877



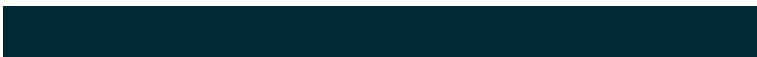
23.0589, 18.8169, 80.2580



15.1922, 16.4709, 19.3007



17.3505, 21.3480, 46.9491



1.4360, 1.8235, 3.7112

Previews

White Background



This preview shows how the XYZ color 40.3376, 28.6349, 8.8699 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3376, 28.6349, 8.8699 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3376, 28.6349, 8.8699

Background



This preview shows how black text looks on a background with the XYZ color 40.3376, 28.6349, 8.8699.



This preview shows how white text looks on a background with the XYZ color 40.3376, 28.6349,

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

40.3376, 28.6349, 8.8699

Protanopia

26.4248, 28.7140, 11.7390

Deuteranopia

29.3663, 28.7472, 8.4159



Tritanopia

42.2568, 28.6592, 18.0564

Trichromacy



Original Color

40.3376, 28.6349, 8.8699

Protanomaly

30.2948, 27.7157, 10.5904

Deuteranomaly

32.7320, 28.2260, 8.5735

Tritanomaly

41.3781, 28.5915, 14.1643

Monochromacy



Original Color

40.3376, 28.6349, 8.8699

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.5667, 26.0294, 19.4381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3376, 28.6349, 8.8699 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(234, 108, 68)` looks like.

```
.text, #text, p{  
    color:rgb(234, 108, 68)  
}
```

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(234, 108, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 108, 68) }
```

Border

The CSS property to change the border of an element to XYZ 40.3376, 28.6349, 8.8699 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(234, 108, 68) }
```


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

```
.border{ border-color:rgb(234, 108, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 108, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 108, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 108, 68);  
box-shadow:4px 4px 4px 4px rgb(234, 108,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3376, 28.6349, 8.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 108, 68) }
```

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

```
.background{ background-color: rgb(234,  
108, 68) }
```

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