

Converting Colors

XYZ(40.7755, 28.3546, 3.3255)

Have a look what the booklet for
XYZ(40.7755, 28.3546, 3.3255)
contains.

XYZ(40.8855, 28.4259, 3.3318)	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>	30

Color

**XYZ(40.8855, 28.4259,
3.3318)**

Conversions

Conversions Part 1

Format	Color
Hex	F06800
RGB	240, 104, 0
RGB Percent	94%, 41%, 0%
CMY	0.0588, 0.5921, 1.0000
CMYK	0.00, 0.57, 1.00, 0.06
HSL	26°, 100%, 47%
HSV	26°, 100%, 94%
XYZ	40.8855, 28.4259, 3.3318
YIQ	132.8080, 114.4400, -3.5120

Conversions

Conversions Part 2

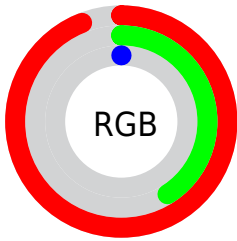
Format	Color
RYB	240, 184, 0
Decimal	15755264
CIELab	60.27, 48.68, 68.95
CIELCh	60, 84.401, 54.775
Yxy	28.4259, 0.5628, 0.3913
Android (android.graphics.Color)	4293945344 (0xFFFF06800)
YUV	132.8080, -65.4743, 94.0074
Hunter-Lab	53.3159, 43.5804, 33.6160

Details

The XYZ color **40.8855, 28.4259, 3.3318** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **24.5316, 23.8983, 85.7573**, and the grayscale version is **22.4273, 23.5952, 25.6952**.

A 20% lighter version of the original color is **54.5102, 46.1311, 11.5000**, and **19.0451, 11.5113, 1.2181** is the 20% darker color. If you saturate the color by 10%, you get **40.8858, 28.4269, 3.3320**, and if you desaturate by 10%, it is **42.5322, 31.4558, 4.6943**.

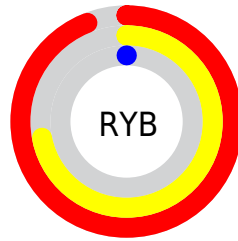
Distribution



Red (94%)

Green (41%)

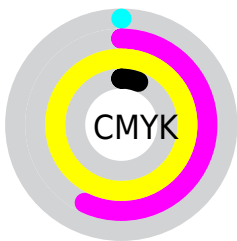
Blue (0%)



Red (94%)

Yellow (72%)

Blue (0%)

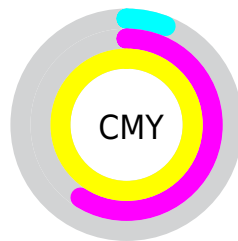


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8855, 28.4259, 3.3318 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 40.8855, 28.4259, 3.3318 by changing the saturation by 10% instead.


 40.8855, 28.4259,
3.3318


 40.8855, 28.4259,
3.3318


340.9126,
294.4965, 140.4805


 28.4169, 18.6470,
1.2664


 75.7859, 57.1637,
12.4368

 18.7822, 11.4155,
0.0341


 98.9483, 76.8913,
20.3134


 11.6161, 6.3470,
0.0000


 126.4061,
100.7040, 30.9643

 6.5532, 3.0572,
0.0000

 158.5246,
128.9861, 44.8079

 3.2281, 1.1617,
0.0000

 195.6692,
162.1220, 62.2628


 1.2755, 0.0301,
0.0000

 238.2051,


 0.1648, 0.0000,


200.4961, 83.7475


0.0000


 286.4978,
244.4928, 109.6805


 0.0000, 0.0000,
0.0000


 40.8855, 28.4259,
3.3318


 40.8855, 28.4259,
3.3318


 40.8858, 28.4269,
3.3320

 42.5322, 31.4558,
4.6943

 44.6127, 35.0269,
7.2064

 47.2006, 39.1848,
11.2074

 50.3427, 43.9622,
16.8997

 54.0789, 49.3884,
24.4534

■ 58.4450, 55.4903,
34.0177

■ 63.4736, 62.2932,
45.7263

■ 69.1946, 69.8207,
59.7015

■ 75.6361, 78.0952,
76.0560

Harmonies

Analogous

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



50.6580, 28.4259, 12.0922



40.8855, 28.4259, 3.3318



28.9578, 28.4259, 1.4542

Triad

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



40.8855, 28.4259, 3.3318



11.1420, 28.4259, 25.8344



36.7097, 28.4259, 122.7193

Complementary

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



40.8855, 28.4259, 3.3318



24.5316, 23.8983, 85.7573

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.



25.1668, 28.4259, 136.3123



40.8855, 28.4259, 3.3318



12.1862, 28.4259, 63.2431

Square

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



40.8855, 28.4259, 3.3318



13.3351, 28.4259, 7.7318



16.7051, 28.4259, 109.6185



47.8307, 28.4259, 79.6208

Rectangle

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



40.8855, 28.4259, 3.3318



22.0512, 28.4259, 1.6903



16.7051, 28.4259, 109.6185



32.6796, 28.4259, 131.7358

Sweetspot

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



40.8861, 28.4275, 3.3323



72.7828, 71.4076, 52.3302



40.3790, 20.3028, 25.0838



15.0364, 14.5567, 9.9203



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.



40.8861, 28.4275, 3.3323



46.8708, 32.5215, 3.8069



62.5905, 71.8362, 10.5670



16.3362, 16.8856, 16.5479



22.5084, 15.8148, 1.8662



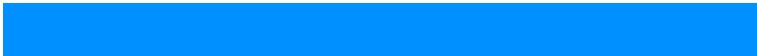
1.9696, 1.5098, 0.1876

Inverse Universe

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



24.5316, 23.8983, 85.7573



28.0982, 27.3163, 98.3994



15.9135, 6.6620, 82.8846



15.6406, 16.7153, 20.1236



13.5637, 13.3517, 46.9901



1.2271, 1.3082, 3.9420

Previews

White Background



This preview shows how the XYZ color 40.8855, 28.4259, 3.3318 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 40.8855, 28.4259, 3.3318 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 40.8855, 28.4259, 3.3318

Background



This preview shows how black text looks on a background with the XYZ color 40.8855, 28.4259, 3.3318.



This preview shows how white text looks on a background with the XYZ color 40.8855, 28.4259,

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

40.8855, 28.4259, 3.3318

Protanopia

25.7434, 28.5121, 4.9572

Tritanopia

43.6850, 28.5833, 16.0466

Trichromacy



Original Color

40.8855, 28.4259, 3.3318

Protanomaly

29.9408, 27.4736, 4.1768

Tritanomaly

42.1585, 28.3849, 8.4111

Monochromacy



Original Color

40.8855, 28.4259, 3.3318

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.6125, 23.3456, 11.7506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8855, 28.4259, 3.3318 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(240, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 104, 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(240, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.8855, 28.4259, 3.3318 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(240, 104, 0) }
```

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

```
.border{ border-color:rgb(240, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 104,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 40.8855, 28.4259, 3.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 104, 0) }
```

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

```
.background{ background-color: rgb(240,  
104, 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](#).

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