

Converting Colors

XYZ(39.8783, 28.5338, 0.9906)

Have a look what the booklet for
XYZ(39.8783, 28.5338, 0.9906)
contains.

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Color

**XYZ(40.2876, 28.7296,
3.4220)**

Conversions

Conversions Part 1

Format	Color
Hex	ED6C00
RGB	237, 108, 0
RGB Percent	93%, 42%, 0%
CMY	0.0706, 0.5764, 1.0000
CMYK	0.00, 0.54, 1.00, 0.07
HSL	27°, 100%, 46%
HSV	27°, 100%, 93%
XYZ	40.2876, 28.7296, 3.4220
YIQ	134.2590, 111.5520, -6.2400

Conversions

Conversions Part 2

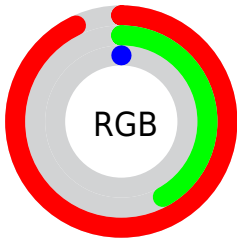
Format	Color
R _Y B	237, 198, 0
Decimal	15559680
CIE Lab	60.54, 45.67, 68.85
CIE LCh	61, 82.621, 56.446
Yxy	28.7296, 0.5562, 0.3966
Android (android.graphics.Color)	4293749760 (0xFFED6C00)
YUV	134.2590, -66.1897, 90.1039
Hunter-Lab	53.6000, 40.3667, 33.7347

Details

The XYZ color **40.2876, 28.7296, 3.4220** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **23.1361, 21.8146, 83.1114**, and the grayscale version is **22.9641, 24.1600, 26.3103**.

A 20% lighter version of the original color is **55.2037, 47.5180, 11.7312**, and **18.5998, 11.6166, 1.2619** is the 20% darker color. If you saturate the color by 10%, you get **40.2877, 28.7303, 3.4221**, and if you desaturate by 10%, it is **41.9128, 31.7214, 4.7621**.

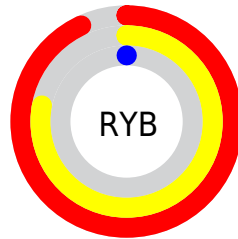
Distribution



Red (93%)

Green (42%)

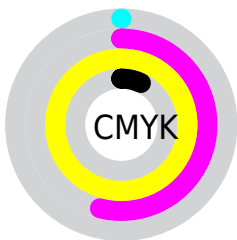
Blue (0%)



Red (93%)

Yellow (78%)

Blue (0%)

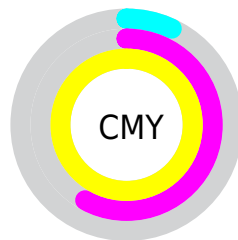


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2876, 28.7296, 3.4220 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 40.2876, 28.7296, 3.4220 by changing the saturation by 10% instead.


 40.2876, 28.7296,
3.4220


 40.2876, 28.7296,
3.4220

338.4479,
295.9370, 141.5662


 27.9481, 18.8764,
1.3139


 74.8828, 57.6472,
12.6531


 18.4268, 11.5810,
0.0732


 97.8692, 77.4803,
20.6133

 11.3584, 6.4590,
0.0000


 125.1353,
101.4089, 31.3612

 6.3775, 3.1262,
0.0000

 157.0463,
129.8173, 45.3154

 3.1188, 1.1980,
0.0000

 193.9678,
163.0899, 62.8945


 1.2169, 0.0600,
0.0000


 236.2650,


 0.1196, 0.0000,


201.6111, 84.5169

0.0000


 284.3032,
245.7654, 110.6014


 0.0000, 0.0000,
0.0000

 40.2876, 28.7296,
3.4220


 40.2876, 28.7296,
3.4220


 40.2877, 28.7303,
3.4221

 41.9128, 31.7214,
4.7621

 43.9446, 35.2098,
7.2127

 46.4537, 39.2370,
11.1045

 49.4842, 43.8324,
16.6330

 53.0740, 49.0224,
23.9630

■ 57.2567, 54.8313,
33.2386

■ 62.0630, 61.2818,
44.5892

■ 67.5212, 68.3950,
58.1331

■ 73.6576, 76.1912,
73.9795

Harmonies

Analogous

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



50.1010, 28.7296, 11.7333



40.2876, 28.7296, 3.4220



28.5982, 28.7296, 1.6515

Triad

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



40.2876, 28.7296, 3.4220



11.5225, 28.7296, 27.7791



37.4998, 28.7296, 118.8839

Complementary

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



40.2876, 28.7296, 3.4220



23.1361, 21.8146, 83.1114

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.



26.0545, 28.7296, 134.1956



40.2876, 28.7296, 3.4220



12.7492, 28.7296, 65.4211

Square

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



40.2876, 28.7296, 3.4220



13.5300, 28.7296, 8.7487



17.4647, 28.7296, 110.2330



48.2191, 28.7296, 76.2894

Rectangle

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



40.2876, 28.7296, 3.4220



21.9007, 28.7296, 1.9953



17.4647, 28.7296, 110.2330



33.5361, 28.7296, 128.2381

Sweetspot

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



40.2882, 28.7312, 3.4225



73.2116, 72.2653, 52.4731



38.9779, 19.6258, 22.9773



15.1372, 14.7584, 9.9539



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.



40.2882, 28.7312, 3.4225



47.5093, 33.7986, 4.0198



61.8905, 71.9357, 10.6232



15.6309, 16.1849, 15.8189



22.1235, 15.9411, 1.9109



1.8323, 1.4419, 0.1817

Inverse Universe

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



23.1361, 21.8146, 83.1114



27.2527, 25.6253, 98.1176



15.4158, 6.3739, 80.5379



14.9106, 15.9076, 19.2069



12.7643, 12.1756, 45.4203



1.0983, 1.1481, 3.5986

Previews

White Background



This preview shows how the XYZ color 40.2876, 28.7296, 3.4220 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 40.2876, 28.7296, 3.4220 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 40.2876, 28.7296, 3.4220

Background



This preview shows how black text looks on a background with the XYZ color 40.2876, 28.7296, 3.4220.



This preview shows how white text looks on a background with the XYZ color 40.2876, 28.7296,

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

40.2876, 28.7296, 3.4220

Protanopia

26.0956, 28.9247, 4.9667

Deuteranopia

29.2402, 28.7795, 4.0139



Tritanopia

43.1462, 28.7011, 17.1757

Trichromacy



Original Color

40.2876, 28.7296, 3.4220

Protanomaly

29.9527, 27.8831, 4.2188

Deuteranomaly

32.6210, 28.2757, 3.7384

Tritanomaly

41.4902, 28.4686, 8.7770

Monochromacy



Original Color

40.2876, 28.7296, 3.4220

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.7679, 23.9810, 11.8650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2876, 28.7296, 3.4220 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(237, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 108, 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(237, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2876, 28.7296, 3.4220 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(237, 108, 0) }
```


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

```
.border{ border-color:rgb(237, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2876, 28.7296, 3.4220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 108, 0) }
```

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

```
.background{ background-color: rgb(237,  
108, 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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