

Converting Colors

XYZ(40.4126, 28.3208, 3.8668)

Have a look what the booklet for
XYZ(40.4126, 28.3208, 3.8668)
contains.

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Color

**XYZ(40.4126, 28.3208,
3.8668)**

Conversions

Conversions Part 1

Format	Color
Hex	EE6911
RGB	238, 105, 17
RGB Percent	93%, 41%, 7%
CMY	0.0667, 0.5882, 0.9333
CMYK	0.00, 0.56, 0.93, 0.07
HSL	24°, 87%, 50%
HSV	24°, 93%, 93%
XYZ	40.4126, 28.3208, 3.8668
YIQ	134.7350, 107.5160, 0.8280

Conversions

Conversions Part 2

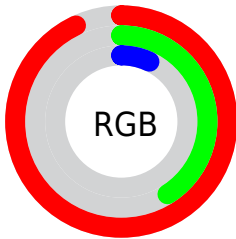
Format	Color
RYB	238, 163, 17
Decimal	15624465
CIELab	60.18, 47.63, 65.60
CIElCh	60, 81.067, 54.020
Yxy	28.3208, 0.5566, 0.3901
Android (android.graphics.Color)	4293814545 (0xFFEE6911)
YUV	134.7350, -58.0434, 90.5634
Hunter-Lab	53.2173, 42.4206, 32.9441

Details

The XYZ color **40.4126, 28.3208, 3.8668** 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 **26.5692, 28.1032, 84.9122**, and the grayscale version is **23.1125, 24.3162, 26.4803**.

A 20% lighter version of the original color is **54.9081, 46.5643, 12.7504**, and **18.6836, 11.4547, 1.2262** is the 20% darker color. If you saturate the color by 10%, you get **39.3316, 26.3210, 3.0075**, and if you desaturate by 10%, it is **42.2927, 31.6083, 5.9519**.

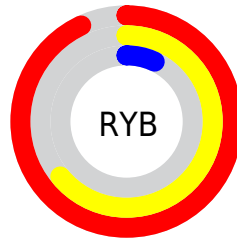
Distribution



Red (93%)

Green (41%)

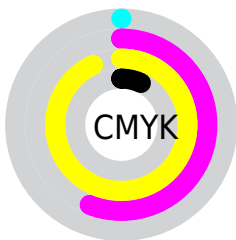
Blue (7%)



Red (93%)

Yellow (64%)

Blue (7%)

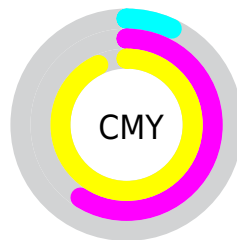


Cyan (0%)

Magenta (56%)

Yellow (93%)

Black (7%)



Cyan (7%)


Magenta (59%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4126, 28.3208, 3.8668 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 40.4126, 28.3208, 3.8668 by changing the saturation by 10% instead.


 40.4126, 28.3208,
3.8668


 40.4126, 28.3208,
3.8668


338.9642,
293.9967, 146.7331


 28.0460, 18.5676,
1.5526


 75.0717, 56.9962,
13.7014


 18.5010, 11.3583,
0.2566


 98.0950, 76.6872,
22.0588

 11.4121, 6.3084,
0.0000


 125.4013,
100.4597, 33.2677

 6.4141, 3.0335,
0.0000

 157.3558,
128.6979, 47.7466

 3.1415, 1.1492,
0.0000

 194.3241,
161.7863, 65.9140


 1.2290, 0.0196,
0.0000

 236.6713,


 0.1291, 0.0000,


200.1093, 88.1886


0.0000


 284.7629,
244.0513, 114.9888


 0.0000, 0.0000,
0.0000


 40.4126, 28.3208,
3.8668

 40.4126, 28.3208,
3.8668


 39.3316, 26.3210,
3.0075

 42.2927, 31.6083,
5.9519

 44.6795, 35.5086,
9.4402

 47.6239, 40.0605,
14.5430

 51.1685, 45.2972,
21.4353

 55.3510, 51.2492,
30.2689

60.2059, 57.9448,
41.1792

65.7646, 65.4106,
54.2894

72.0565, 73.6718,
69.7130

79.1092, 82.7522,
87.5556

Harmonies

Analogous

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



49.5445, 28.3208, 12.9446



40.4126, 28.3208, 3.8668



29.0491, 28.3208, 1.7753

Triad

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



40.4126, 28.3208, 3.8668



11.5595, 28.3208, 25.2620



35.8766, 28.3208, 117.9208

Complementary

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



40.4126, 28.3208, 3.8668



26.5692, 28.1032, 84.9122

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.



24.8939, 28.3208, 129.6191



40.4126, 28.3208, 3.8668



12.5052, 28.3208, 60.4075

Square

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



40.4126, 28.3208, 3.8668



13.7930, 28.3208, 7.9846



16.8216, 28.3208, 103.9634



46.4899, 28.3208, 78.0178

Rectangle

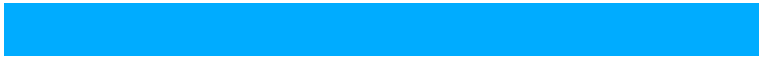
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4126, 28.3208, 3.8668



22.3712, 28.3208, 1.9908



16.8216, 28.3208, 103.9634



32.0427, 28.3208, 126.0320

Sweetspot

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



40.4132, 28.3224, 3.8673



73.4015, 71.8073, 55.1194



41.2333, 20.8873, 32.1187



15.1270, 14.5807, 10.4354



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.



40.4132, 28.3224, 3.8673



45.9469, 30.6737, 3.4990



58.9583, 65.4126, 10.0490



16.2893, 16.7918, 16.5323



22.0615, 14.9210, 1.7173



1.9299, 1.4305, 0.1744

Inverse Universe

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



26.5692, 28.1032, 84.9122



29.5157, 30.1514, 98.8719



16.5199, 8.0045, 81.5624



15.6886, 16.8112, 20.1396



14.2385, 14.7012, 47.2150



1.2814, 1.4169, 3.9602

Previews

White Background



This preview shows how the XYZ color 40.4126, 28.3208, 3.8668 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



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 40.4126, 28.3208, 3.8668

Background



This preview shows how black text looks on a background with the XYZ color 40.4126, 28.3208, 3.8668.



This preview shows how white text looks on a background with the XYZ color 40.4126, 28.3208,

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

40.4126, 28.3208, 3.8668

Protanopia

25.8105, 28.5390, 5.3106

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

43.1420, 28.4356, 16.3115

Trichromacy



Original Color

40.4126, 28.3208, 3.8668

Protanomaly

29.7776, 27.3792, 4.6350

Deuteranomaly

32.3956, 27.7722, 3.8254

Tritanomaly

41.7586, 28.3005, 9.3925

Monochromacy



Original Color

40.4126, 28.3208, 3.8668

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.1527, 23.9587, 13.3713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4126, 28.3208, 3.8668 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(238, 105, 17)` looks like.

```
.text, #text, p{  
    color:rgb(238, 105, 17)  
}
```

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(238, 105, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 105, 17) }
```

Border

The CSS property to change the border of an element to XYZ 40.4126, 28.3208, 3.8668 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(238, 105, 17) }
```


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

```
.border{ border-color:rgb(238, 105, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 105, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 105, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 105, 17);  
box-shadow:4px 4px 4px 4px rgb(238, 105,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4126, 28.3208, 3.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 105, 17) }
```

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

```
.background{ background-color: rgb(238,  
105, 17) }
```

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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