

Converting Colors

XYZ(38.3126, 26.8974, 4.6450)

Have a look what the booklet for
XYZ(38.3126, 26.8974, 4.6450)
contains.

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Color

**XYZ(38.4035, 26.9661,
4.6197)**

Conversions

Conversions Part 1

Format	Color
Hex	E86721
RGB	232, 103, 33
RGB Percent	91%, 40%, 13%
CMY	0.0902, 0.5960, 0.8706
CMYK	0.00, 0.56, 0.86, 0.09
HSL	21°, 81%, 52%
HSV	21°, 86%, 91%
XYZ	38.4035, 26.9661, 4.6197
YIQ	133.5910, 99.3540, 5.5780

Conversions

Conversions Part 2

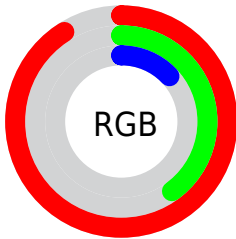
Format	Color
R_{YB}	232, 141, 33
Decimal	15230753
CIE _{Lab}	58.94, 46.61, 59.46
CIE _{LCh}	59, 75.549, 51.905
Yxy	26.9661, 0.5487, 0.3853
Android (android.graphics.Color)	4293420833 (0xFFE86721)
YUV	133.5910, -49.5914, 86.3047
Hunter-Lab	51.9289, 41.1323, 31.0757

Details

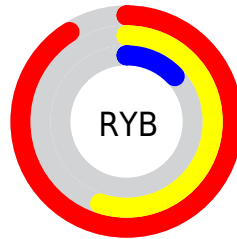
The XYZ color **38.4035, 26.9661, 4.6197** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **28.1118, 31.9878, 81.0361**, and the grayscale version is **22.6615, 23.8416, 25.9635**.

A 20% lighter version of the original color is **54.9367, 46.0298, 14.5835**, and **17.5028, 10.7162, 1.1459** is the 20% darker color. If you saturate the color by 10%, you get **36.8194, 24.1517, 3.0026**, and if you desaturate by 10%, it is **40.4812, 30.4110, 7.5037**.

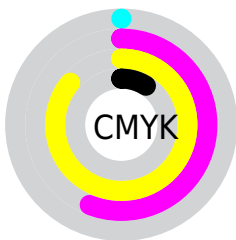
Distribution



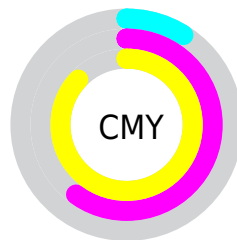
- Red (91%)
- Green (40%)
- Blue (13%)



- Red (91%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (56%)
- Yellow (86%)
- Black (9%)



- Cyan (9%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4035, 26.9661, 4.6197 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 38.4035, 26.9661, 4.6197 by changing the saturation by 10% instead.

38.4035, 26.9661,
4.6197

38.4035, 26.9661,
4.6197

330.5987,
287.4929, 154.8826

26.4746, 17.5478,
1.9711

72.0261, 54.8295,
15.4155

17.3136, 10.6258,
0.5374

94.4505, 74.0433,
24.3997

10.5550, 5.8158,
0.0000

121.1042, 97.2910,
36.3330

5.8335, 2.7334,
0.0000

152.3525,
124.9572, 51.6337

2.7838, 0.9942,
0.0000

188.5608,
157.4260, 70.7205

1.0405, 0.0000,
0.0000

230.0943,

0.0000, 0.0000,

195.0820, 94.0119

0.0000

277.3185,
238.3095, 121.9264

■ 38.4035, 26.9661,
4.6197

■ 38.4035, 26.9661,
4.6197

■ 36.8194, 24.1517,
3.0026

■ 40.4812, 30.4110,
7.5037

■ 36.2669, 23.1325,
2.5535

■ 43.1036, 34.5244,
11.8661

■ 46.3160, 39.3454,
17.8808

■ 50.1575, 44.9087,
25.6963

■ 54.6636, 51.2460,
35.4449

■ 59.8669, 58.3873,
47.2459

■ 65.7977, 66.3607,
61.2092

■ 72.4841, 75.1929,
77.4365

■ 79.9532, 84.9095,
96.0234

Harmonies

Analogous

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



46.1976, 26.9661, 14.0342



38.4035, 26.9661, 4.6197



28.2472, 26.9661, 2.1930

Triad

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



38.4035, 26.9661, 4.6197



11.6308, 26.9661, 22.6897



32.9417, 26.9661, 107.7548

Complementary

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



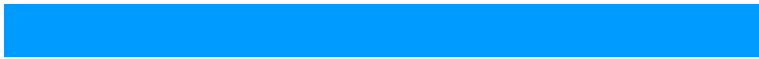
38.4035, 26.9661, 4.6197



28.1118, 31.9878, 81.0361

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.



23.1806, 26.9661, 115.5615



38.4035, 26.9661, 4.6197



12.3043, 26.9661, 53.0708

Square

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



38.4035, 26.9661, 4.6197



13.9231, 26.9661, 7.6703



16.0594, 26.9661, 91.4039



42.5476, 26.9661, 73.9779

Rectangle

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



38.4035, 26.9661, 4.6197



22.0969, 26.9661, 2.3002



16.0594, 26.9661, 91.4039



29.5219, 26.9661, 114.0859

Sweetspot

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



38.4041, 26.9676, 4.6201



73.9422, 72.0200, 57.9776



40.3752, 20.8646, 36.2452



15.3270, 14.7338, 11.2632



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.



38.4041, 26.9676, 4.6201



44.8715, 28.5231, 3.1405



54.7087, 59.5769, 10.0550



14.7897, 15.1932, 15.0575



20.2412, 13.0566, 1.4533



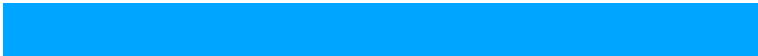
1.5806, 1.1345, 0.1357

Inverse Universe

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



28.1118, 31.9878, 81.0361



31.5580, 34.2359, 99.5527



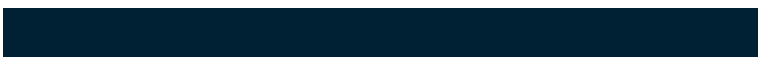
16.9620, 9.6881, 77.3194



14.3584, 15.4383, 18.3674



14.2976, 15.6573, 44.6518



1.1430, 1.3300, 3.3284

Previews

White Background



This preview shows how the XYZ color 38.4035, 26.9661, 4.6197 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 38.4035, 26.9661, 4.6197 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 38.4035, 26.9661, 4.6197

Background



This preview shows how black text looks on a background with the XYZ color 38.4035, 26.9661, 4.6197.



This preview shows how white text looks on a background with the XYZ color 38.4035, 26.9661,

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

38.4035, 26.9661, 4.6197

Protanopia

24.7557, 27.2929, 6.2488

Deuteranopia

27.5590, 27.0603, 4.1514



Tritanopia

40.5627, 26.8374, 15.8742

Trichromacy



Original Color

38.4035, 26.9661, 4.6197

Protanomaly

28.3351, 26.0239, 5.4492

Deuteranomaly

30.7624, 26.3585, 4.1282

Tritanomaly

39.4413, 26.7974, 10.3014

Monochromacy



Original Color

38.4035, 26.9661, 4.6197

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.8182, 23.5750, 14.4989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4035, 26.9661, 4.6197 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(232, 103, 33)` looks like.

```
.text, #text, p{  
    color:rgb(232, 103, 33)  
}
```

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(232, 103, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 103, 33) }
```

Border

The CSS property to change the border of an element to XYZ 38.4035, 26.9661, 4.6197 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(232, 103, 33) }
```


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

```
.border{ border-color:rgb(232, 103, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 103, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 103, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 103, 33);  
box-shadow:4px 4px 4px 4px rgb(232, 103,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4035, 26.9661, 4.6197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 103, 33) }
```

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

```
.background{ background-color: rgb(232,  
103, 33) }
```

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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