

Converting Colors

$Y_{xy}(26.6275, 0.5482, 0.4030)$

Have a look what the booklet for
Yxy(26.6275, 0.5482, 0.4030)
contains.

Yxy(26.5724, 0.5478, 0.4032)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.5724, 0.5478, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	E06C00
RGB	224, 108, 0
RGB Percent	88%, 42%, 0%
CMY	0.1216, 0.5764, 0.9996
CMYK	0.00, 0.52, 1.00, 0.12
HSL	29°, 100%, 44%
HSV	29°, 100%, 88%
XYZ	36.1021, 26.5724, 3.2293
YIQ	130.3720, 103.8040, -8.9960

Conversions

Conversions Part 2

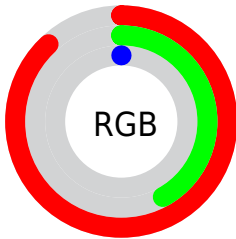
Format	Color
RYB	224, 209, 0
Decimal	14707712
CIELab	58.58, 40.65, 66.67
CIELCh	59, 78.090, 58.626
Yxy	26.5724, 0.5478, 0.4032
Android (android.graphics.Color)	4292897792 (0xFFE06C00)
YUV	130.3720, -64.2734, 82.1118
Hunter-Lab	51.5484, 34.8032, 32.3696

Details

The Yxy color **26.5724, 0.5478, 0.4032** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.8952, 0.1783, 0.1619**, and the grayscale version is **22.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1550, 0.4839, 0.4149**, and **10.5033, 0.5805, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **26.5611, 0.5479, 0.4032**, and if you desaturate by 10%, it is **29.2467, 0.5271, 0.4104**.

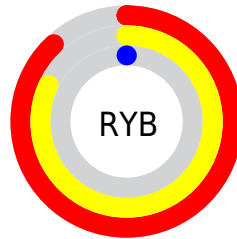
Distribution



Red (88%)

Green (42%)

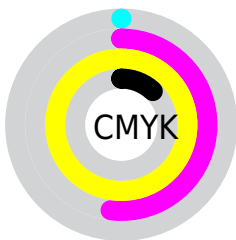
Blue (0%)



Red (88%)

Yellow (82%)

Blue (0%)

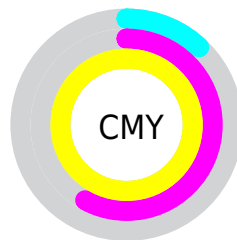


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5724, 0.5478, 0.4032 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 Yxy color 26.5724, 0.5478, 0.4032 by changing the saturation by 10% instead.


 26.5724, 0.5478,
0.4032


 26.5724, 0.5478,
0.4032


285.5808, 0.4303,
0.3830


 17.2523, 0.5721,
0.3998


 54.1969, 0.5079,
0.4018


 10.4146, 0.6053,
0.3947


 73.2702, 0.4918,
0.3993


 5.6747, 0.6283,
0.3717

 96.3633, 0.4779,
0.3966

 2.6483, 0.6621,
0.3379

 123.8607, 0.4658,
0.3937

 0.9510, 0.7158,
0.2842

 156.1468, 0.4552,
0.3908

 0.0000, 1.0000,
0.0000

 193.6059, 0.4458,

 0.0000, 0.0000,


0.3881


0.0000


 236.6224, 0.4376,
0.3855

 26.5724, 0.5478,
0.4032


 26.5724, 0.5478,
0.4032


 26.5611, 0.5479,
0.4032

 29.2467, 0.5271,
0.4104

 32.3265, 0.5025,
0.4127

 35.8471, 0.4750,
0.4097

 39.8320, 0.4465,
0.4024

 44.3024, 0.4186,
0.3919

■ 49.2777, 0.3924,
0.3797

■ 54.7759, 0.3687,
0.3667

■ 60.8140, 0.3475,
0.3536

■ 67.4080, 0.3289,
0.3409

Harmonies

Analogous

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



26.5724, 0.5501, 0.3241



26.5724, 0.5478, 0.4032



26.5724, 0.4757, 0.4918

Triad

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



26.5724, 0.5478, 0.4032



26.5724, 0.1681, 0.4074



26.5724, 0.2117, 0.1601

Complementary

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



26.5724, 0.5478, 0.4032



17.8952, 0.1783, 0.1619

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.



26.5724, 0.1447, 0.1549



26.5724, 0.5478, 0.4032



26.5724, 0.1216, 0.2628

Square

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



26.5724, 0.5478, 0.4032



26.5724, 0.2598, 0.5490



26.5724, 0.1163, 0.1836



26.5724, 0.3245, 0.1940

Rectangle

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



26.5724, 0.5478, 0.4032



26.5724, 0.4078, 0.5467



26.5724, 0.1163, 0.1836



26.5724, 0.1845, 0.1551

Sweetspot

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



26.5739, 0.5478, 0.4032



73.2833, 0.3693, 0.3671



17.1930, 0.4842, 0.2441



14.9982, 0.3791, 0.3726



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.5739, 0.5478, 0.4032



35.4000, 0.5490, 0.4023



65.2304, 0.4253, 0.5005



14.7852, 0.3280, 0.3403



15.6895, 0.5455, 0.4051



1.2662, 0.5210, 0.4246

Inverse Universe

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



17.8952, 0.1783, 0.1619



23.7509, 0.1780, 0.1606



5.5467, 0.1505, 0.0617



14.4121, 0.2981, 0.3174



10.6408, 0.1790, 0.1644



0.9167, 0.1866, 0.1916

Previews

White Background



This preview shows how the Yxy color 26.5724, 0.5478, 0.4032 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 Yxy color 26.5724, 0.5478, 0.4032 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](#).

Yxy 26.5724, 0.5478, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 26.5724, 0.5478, 0.4032.



This preview shows how white text looks on a background with the Yxy color 26.5724, 0.5478, 0.4032.

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

26.5724, 0.5478, 0.4032

Protanopia

26.7674, 0.4348, 0.4830

Deuteranopia

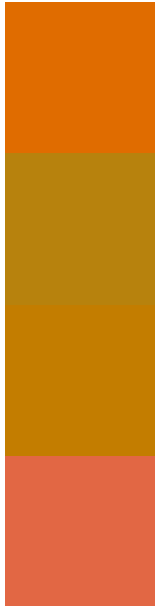
26.6339, 0.4719, 0.4635



Tritanopia

26.5068, 0.4721, 0.3218

Trichromacy



Original Color

26.5724, 0.5478, 0.4032

Protanomaly

26.0616, 0.4789, 0.4524

Deuteranomaly

26.2693, 0.5006, 0.4407

Tritanomaly

26.2866, 0.5166, 0.3645

Monochromacy



Original Color

26.5724, 0.5478, 0.4032

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4361, 0.4143, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5724, 0.5478, 0.4032 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(224, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.5724, 0.5478, 0.4032 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(224, 108, 0) }
```

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

```
.border{ border-color:rgb(224, 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(224, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5724, 0.5478, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 108, 0) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

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