

# Converting Colors

$Yxy(26.8454, 0.5234, 0.3579)$

Have a look what the booklet for  
Yxy(26.8454, 0.5234, 0.3579)  
contains.

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**Color**

**Yxy(26.8802, 0.5231, 0.3581)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E96446
RGB	233, 100, 70
RGB Percent	91%, 39%, 27%
CMY	0.0863, 0.6078, 0.7254
CMYK	0.00, 0.57, 0.70, 0.09
HSL	11°, 79%, 59%
HSV	11°, 70%, 91%
XYZ	39.2657, 26.8802, 8.9175
YIQ	136.3470, 88.8980, 18.8660

# Conversions

## Conversions Part 2

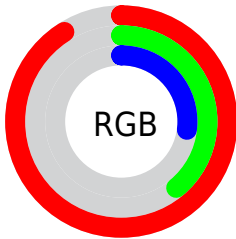
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 107, 70
Decimal	15295558
CIE <sub>Lab</sub>	58.86, 49.70, 42.22
CIE <sub>LCh</sub>	59, 65.213, 40.348
Yxy	26.8802, 0.5231, 0.3581
Android (android.graphics.Color)	4293485638 (0xFFE96446)
YUV	136.3470, -32.7091, 84.7647
Hunter-Lab	51.8461, 44.4563, 26.0944

# Details

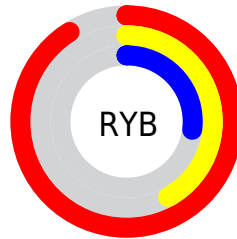
The Yxy color **26.8802, 0.5231, 0.3581** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **49.8999, 0.2228, 0.2881**, and the grayscale version is **24.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7273, 0.4475, 0.3642**, and **10.6006, 0.5875, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **23.4104, 0.5641, 0.3564**, and if you desaturate by 10%, it is **31.3181, 0.4807, 0.3568**.

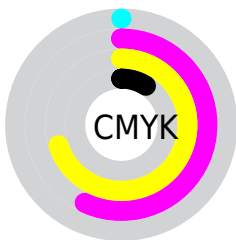
# Distribution



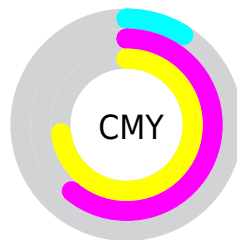
- Red (91%)
- Green (39%)
- Blue (27%)



- Red (91%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (9%)




- Cyan (9%)
- Magenta (61%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8802, 0.5231, 0.3581 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 26.8802, 0.5231, 0.3581 by changing the saturation by 10% instead.





 26.8802, 0.5231,  
0.3581


 26.8802, 0.5231,  
0.3581


287.0766, 0.4105,  
0.3526


 17.4833, 0.5515,  
0.3552


 54.6916, 0.4814,  
0.3590


 10.5796, 0.5871,  
0.3485


 73.8748, 0.4659,  
0.3584


 5.7849, 0.6337,  
0.3357

 97.0889, 0.4528,  
0.3576

 2.7148, 0.6913,  
0.3087

 124.7183, 0.4417,  
0.3566

 0.9847, 0.7488,  
0.2512

 157.1474, 0.4322,  
0.3555

 0.0000, 1.0000,  
0.0000

194.7605, 0.4240,

 0.0000, 0.0000,

0.3545

0.0000

237.9421, 0.4168,  
0.3535

■ 26.8802, 0.5231,  
0.3581

■ 26.8802, 0.5231,  
0.3581

■ 23.4104, 0.5641,  
0.3564

■ 31.3181, 0.4807,  
0.3568

■ 20.8299, 0.5984,  
0.3513

■ 36.7855, 0.4409,  
0.3535


■ 19.0486, 0.6224,  
0.3440

■ 43.3441, 0.4057,  
0.3489


■ 19.0406, 0.6225,  
0.3439


■ 51.0493, 0.3756,  
0.3438

■ 59.9527, 0.3505,  
0.3386

 70.1028, 0.3297,  
0.3336

 81.5452, 0.3126,  
0.3290

 94.2316, 0.2993,  
0.3261

 96.0622, 0.2993,  
0.3290

# Harmonies

## Analogous

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



26.8802, 0.4738, 0.2894



26.8802, 0.5231, 0.3581



26.8802, 0.5002, 0.4320

# Triad

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



26.8802, 0.5231, 0.3581



26.8802, 0.2372, 0.4701



26.8802, 0.1852, 0.1751

# Complementary

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



26.8802, 0.5231, 0.3581



49.8999, 0.2228, 0.2881

# 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.



26.8802, 0.1460, 0.1898



26.8802, 0.5231, 0.3581



26.8802, 0.1685, 0.3446

# Square

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



26.8802, 0.5231, 0.3581



26.8802, 0.3324, 0.5327



26.8802, 0.1397, 0.2427



26.8802, 0.2609, 0.1898



# Rectangle

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



26.8802, 0.5231, 0.3581



26.8802, 0.4555, 0.4810



26.8802, 0.1397, 0.2427



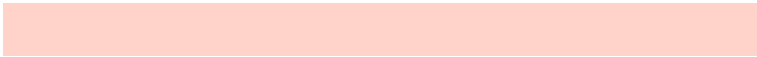
26.8802, 0.1683, 0.1765

# Sweetspot

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



26.8817, 0.5231, 0.3581



72.2378, 0.3531, 0.3392



26.0232, 0.3536, 0.1975



14.7910, 0.3598, 0.3406



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.



26.8817, 0.5231, 0.3581



27.1875, 0.5805, 0.3545



50.9697, 0.4454, 0.4424



15.5023, 0.3288, 0.3334



10.9351, 0.6203, 0.3457



0.9858, 0.5951, 0.3657

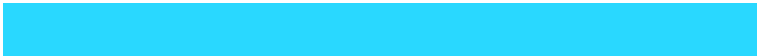


# Inverse Universe

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



49.8999, 0.2228, 0.2881



56.5870, 0.2136, 0.2784



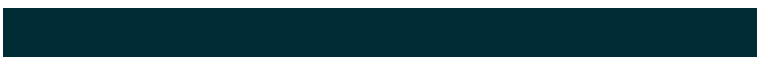
21.0148, 0.1931, 0.1681



16.6231, 0.2981, 0.3246



24.4352, 0.2081, 0.2691



2.0410, 0.2107, 0.2783



# Previews

## White Background



This preview shows how the Yxy color 26.8802, 0.5231, 0.3581 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 26.8802, 0.5231, 0.3581 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 26.8802, 0.5231, 0.3581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.8802, 0.5231, 0.3581.



This preview shows how white text looks on a background with the Yxy color 26.8802, 0.5231, 0.3581.

# 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

26.8802, 0.5231, 0.3581

### Protanopia

27.0540, 0.3884, 0.4205

### Deuteranopia

26.9169, 0.4371, 0.4284



## Tritanopia

26.9872, 0.4894, 0.3234

# Trichromacy



## Original Color

26.8802, 0.5231, 0.3581

## Protanomaly

25.9336, 0.4386, 0.3954

## Deuteranomaly

26.1827, 0.4712, 0.3984

## Tritanomaly

26.7800, 0.5034, 0.3366

# Monochromacy



## Original Color

26.8802, 0.5231, 0.3581

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

23.9937, 0.3865, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8802, 0.5231, 0.3581 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(233, 100, 70)` looks like.

```
.text, #text, p{  
    color:rgb(233, 100, 70)  
}
```

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(233, 100, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 100, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 26.8802, 0.5231, 0.3581 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(233, 100, 70) }
```

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

```
.border{ border-color:rgb(233, 100, 70) }
```

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

Here you see how a box with a 4 pixel rgb(233, 100, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 100, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 100, 70);  
box-shadow:4px 4px 4px 4px rgb(233, 100,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.8802, 0.5231, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 100, 70) }
```

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

```
.background{ background-color: rgb(233,  
100, 70) }
```

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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