

# Converting Colors

$Y_{xy}(24.0656, 0.5700, 0.3714)$

Have a look what the booklet for  
Yxy(24.0656, 0.5700, 0.3714)  
contains.

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# Color

**$\text{Yxy}(24.0560, 0.5698, 0.3715)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8571C
RGB	232, 87, 28
RGB Percent	91%, 34%, 11%
CMY	0.0902, 0.6588, 0.8899
CMYK	0.00, 0.62, 0.88, 0.09
HSL	17°, 82%, 51%
HSV	17°, 88%, 91%
XYZ	36.8967, 24.0560, 3.8010
YIQ	123.6290, 105.3590, 12.3910

# Conversions

## Conversions Part 2

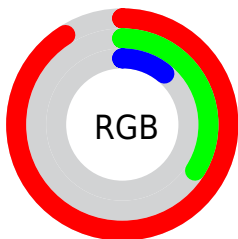
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 111, 28
Decimal	15226652
CIE <sub>Lab</sub>	56.14, 53.78, 59.02
CIE <sub>LCh</sub>	56, 79.847, 47.661
Yxy	24.0560, 0.5698, 0.3715
Android (android.graphics.Color)	4293416732 (0xFFE8571C)
YUV	123.6290, -47.1451, 95.0414
Hunter-Lab	49.0469, 48.4486, 29.7380

# Details

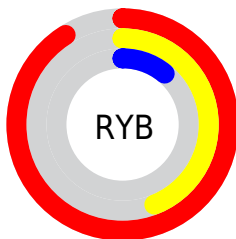
The Yxy color **24.0560, 0.5698, 0.3715** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **35.9807, 0.2031, 0.2436**, and the grayscale version is **20.1632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1852, 0.4925, 0.3874**, and **9.1087, 0.6233, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **21.6111, 0.5963, 0.3627**, and if you desaturate by 10%, it is **27.1976, 0.5360, 0.3759**.

# Distribution



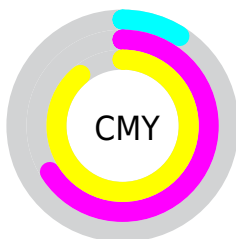
- Red (91%)
- Green (34%)
- Blue (11%)



- Red (91%)
- Yellow (44%)
- Blue (11%)



- Cyan (0%)
- Magenta (62%)
- Yellow (88%)
- Black (9%)



- Cyan (9%)
- Magenta (66%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0560, 0.5698, 0.3715 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 24.0560, 0.5698, 0.3715 by changing the saturation by 10% instead.





 24.0560, 0.5698,  
0.3715


 24.0560, 0.5698,  
0.3715


273.1035, 0.4362,  
0.3674


 15.3752, 0.5996,  
0.3644


 50.1216, 0.5227,  
0.3757


 9.0831, 0.6382,  
0.3528


 68.2751, 0.5043,  
0.3755


 4.7954, 0.6742,  
0.3258

 90.3550, 0.4886,  
0.3746

 2.1277, 0.7177,  
0.2823

 116.7456, 0.4751,  
0.3733

 0.6802, 0.7879,  
0.2121

 147.8314, 0.4634,  
0.3719

 0.0000, 1.0000,  
0.0000


 183.9967, 0.4531,

 0.0000, 0.0000,


0.3704


0.0000


 225.6259, 0.4441,  
0.3689


 24.0560, 0.5698,  
0.3715

 24.0560, 0.5698,  
0.3715


 21.6111, 0.5963,  
0.3627


 27.1976, 0.5360,  
0.3759


 21.1765, 0.6012,  
0.3608

 31.0883, 0.4986,  
0.3758


 35.7778, 0.4611,  
0.3721


 41.3101, 0.4261,  
0.3659

 47.7254, 0.3949,  
0.3584

 55.0616, 0.3680,  
0.3504

 63.3539, 0.3451,  
0.3424

 72.6359, 0.3258,  
0.3347

 82.9393, 0.3096,  
0.3275

# Harmonies

## Analogous

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



24.0560, 0.5388, 0.2940



24.0560, 0.5698, 0.3715



24.0560, 0.5136, 0.4604

# Triad

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



24.0560, 0.5698, 0.3715



24.0560, 0.1904, 0.4764



24.0560, 0.1764, 0.1482

# Complementary

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



24.0560, 0.5698, 0.3715



35.9807, 0.2031, 0.2436

# 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.



24.0560, 0.1236, 0.1540



24.0560, 0.5698, 0.3715



24.0560, 0.1254, 0.3061

# Square

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



24.0560, 0.5698, 0.3715



24.0560, 0.2965, 0.5866



24.0560, 0.1069, 0.1989



24.0560, 0.2760, 0.1724



# Rectangle

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



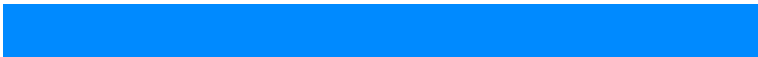
24.0560, 0.5698, 0.3715



24.0560, 0.4486, 0.5239



24.0560, 0.1069, 0.1989



24.0560, 0.1542, 0.1466

# Sweetspot

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



24.0574, 0.5698, 0.3715



69.9664, 0.3636, 0.3489



21.0533, 0.3959, 0.2016



14.2542, 0.3723, 0.3517



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.



24.0574, 0.5698, 0.3715



26.1184, 0.6021, 0.3601



53.1256, 0.4543, 0.4693



15.0432, 0.3285, 0.3359



11.9442, 0.5984, 0.3631



1.0382, 0.5696, 0.3859



# Inverse Universe

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



35.9807, 0.2031, 0.2436



40.3874, 0.1972, 0.2300



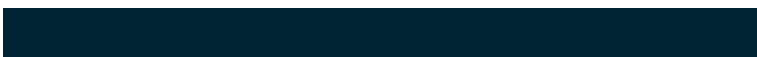
10.7408, 0.1645, 0.1017



15.5956, 0.2981, 0.3220



18.3889, 0.1979, 0.2323



1.5165, 0.2023, 0.2481



# Previews

## White Background



This preview shows how the Yxy color 24.0560, 0.5698, 0.3715 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 24.0560, 0.5698, 0.3715 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 24.0560, 0.5698, 0.3715**

## Background



This preview shows how black text looks on a background with the Yxy color 24.0560, 0.5698, 0.3715.



This preview shows how white text looks on a background with the Yxy color 24.0560, 0.5698, 0.3715.

# 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

24.0560, 0.5698, 0.3715

### Protanopia

24.0605, 0.4245, 0.4684

### Deuteranopia

24.0963, 0.4717, 0.4637



## Tritanopia

24.0492, 0.5209, 0.3249

# Trichromacy



## Original Color

24.0560, 0.5698, 0.3715

## Protanomaly

22.7875, 0.4823, 0.4289

## Deuteranomaly

23.1696, 0.5138, 0.4258

## Tritanomaly

23.8918, 0.5443, 0.3454

# Monochromacy



## Original Color

24.0560, 0.5698, 0.3715

## Achromatopsia

20.1556, 0.3127, 0.3290

## Achromatomaly

19.8767, 0.4140, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.0560, 0.5698, 0.3715 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, 87, 28)` looks like.

```
.text, #text, p{  
    color:rgb(232, 87, 28)  
}
```

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, 87, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 87, 28) }
```

## Border

The CSS property to change the border of an element to Yxy 24.0560, 0.5698, 0.3715 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, 87, 28) }
```

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

```
.border{ border-color:rgb(232, 87, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 87, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 87, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 87, 28);  
box-shadow:4px 4px 4px 4px rgb(232, 87,  
28) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.0560, 0.5698, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 87, 28) }
```

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

```
.background{ background-color: rgb(232, 87,  
28) }
```

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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