

Converting Colors

$Y_{xy}(30.6904, 0.5310, 0.3887)$

Have a look what the booklet for
Yxy(30.6904, 0.5310, 0.3887)
contains.

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Color

Yxy(30.6359, 0.5315, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	EE732E
RGB	238, 115, 46
RGB Percent	93%, 45%, 18%
CMY	0.0666, 0.5491, 0.8196
CMYK	0.00, 0.52, 0.81, 0.07
HSL	22°, 85%, 56%
HSV	22°, 81%, 93%
XYZ	41.8909, 30.6359, 6.2895
YIQ	143.9110, 95.4570, 4.6170

Conversions

Conversions Part 2

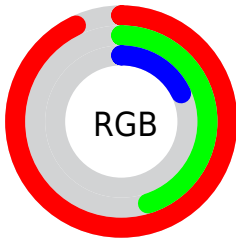
Format	Color
R _Y B	238, 154, 46
Decimal	15627054
CIE Lab	62.20, 43.44, 57.51
CIE LCh	62, 72.077, 52.934
Yxy	30.6359, 0.5315, 0.3887
Android (android.graphics.Color)	4293817134 (0xFFEE732E)
YUV	143.9110, -48.2701, 82.5161
Hunter-Lab	55.3497, 38.2339, 32.0075

Details

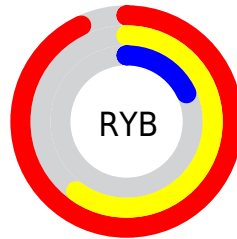
The Yxy color **30.6359, 0.5315, 0.3887** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **35.1453, 0.2024, 0.2313**, and the grayscale version is **28.0209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4990, 0.4566, 0.4004**, and **12.6690, 0.5800, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **27.3043, 0.5612, 0.3836**, and if you desaturate by 10%, it is **34.6502, 0.4979, 0.3887**.

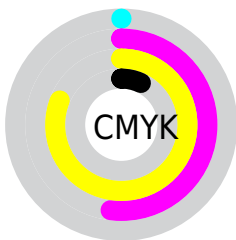
Distribution



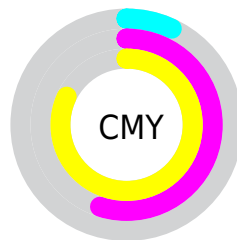
- Red (93%)
- Green (45%)
- Blue (18%)



- Red (93%)
- Yellow (60%)
- Blue (18%)



- Cyan (0%)
- Magenta (52%)
- Yellow (81%)
- Black (7%)





- Cyan (7%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6359, 0.5315, 0.3887 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 30.6359, 0.5315, 0.3887 by changing the saturation by 10% instead.


 30.6359, 0.5315,
0.3887


 30.6359, 0.5315,
0.3887


304.8574, 0.4203,
0.3714

 20.3218, 0.5565,
0.3872


 60.6664, 0.4924,
0.3864


 12.6291, 0.5859,
0.3818


 81.1515, 0.4772,
0.3843


 7.1737, 0.6269,
0.3731


 105.7957, 0.4641,
0.3820

 3.5710, 0.6574,
0.3426

 134.9835, 0.4529,
0.3797

 1.4366, 0.7039,
0.2961

 169.0991, 0.4431,
0.3775

 0.2434, 0.8498,
0.1502

 208.5270, 0.4346,

 0.0000, 1.0000,

0.3753

0.0000

253.6517, 0.4270,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 30.6359, 0.5315,
0.3887

■ 30.6359, 0.5315,
0.3887

■ 27.3043, 0.5612,
0.3836

■ 34.6502, 0.4979,
0.3887


■ 24.7604, 0.5836,
0.3748


■ 39.3836, 0.4634,
0.3844


■ 44.8749, 0.4303,
0.3771


■ 51.1586, 0.4001,
0.3681

■ 58.2666, 0.3735,
0.3582

 66.2289, 0.3504,
0.3483

 75.0740, 0.3306,
0.3387

 84.8289, 0.3138,
0.3296

 95.1786, 0.3024,
0.3263

Harmonies

Analogous

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



30.6359, 0.5141, 0.3154



30.6359, 0.5315, 0.3887



30.6359, 0.4801, 0.4673

Triad

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



30.6359, 0.5315, 0.3887



30.6359, 0.1975, 0.4251



30.6359, 0.2074, 0.1716

Complementary

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



30.6359, 0.5315, 0.3887



35.1453, 0.2024, 0.2313

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.



30.6359, 0.1518, 0.1730



30.6359, 0.5315, 0.3887



30.6359, 0.1442, 0.2930

Square

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



30.6359, 0.5315, 0.3887



30.6359, 0.2882, 0.5316



30.6359, 0.1312, 0.2088



30.6359, 0.3024, 0.1983

Rectangle

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



30.6359, 0.5315, 0.3887



30.6359, 0.4229, 0.5154



30.6359, 0.1312, 0.2088



30.6359, 0.1846, 0.1688

Sweetspot

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



30.6376, 0.5315, 0.3887



74.1487, 0.3578, 0.3516



23.0690, 0.4064, 0.2151



15.1599, 0.3661, 0.3552



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.



30.6376, 0.5315, 0.3887



29.7367, 0.5775, 0.3773



64.0898, 0.4356, 0.4762



16.6883, 0.3284, 0.3375



14.0329, 0.5808, 0.3770



1.3494, 0.5557, 0.3969

Inverse Universe

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



35.1453, 0.2024, 0.2313



34.5912, 0.1916, 0.2084



11.7606, 0.1687, 0.1041



16.9181, 0.2980, 0.3203



16.3159, 0.1908, 0.2069



1.5449, 0.1958, 0.2248

Previews

White Background



This preview shows how the Yxy color 30.6359, 0.5315, 0.3887 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6359, 0.5315, 0.3887 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6359, 0.5315, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 30.6359, 0.5315, 0.3887.



This preview shows how white text looks on a background with the Yxy color 30.6359, 0.5315, 0.3887.

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

30.6359, 0.5315, 0.3887

Protanopia

30.7436, 0.4176, 0.4597

Deuteranopia

30.7194, 0.4611, 0.4515



Tritanopia

30.6637, 0.4700, 0.3222

Trichromacy



Original Color

30.6359, 0.5315, 0.3887

Protanomaly

29.7623, 0.4609, 0.4327

Deuteranomaly

30.1937, 0.4879, 0.4270

Tritanomaly

30.6323, 0.4974, 0.3505

Monochromacy



Original Color

30.6359, 0.5315, 0.3887

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3227, 0.3944, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6359, 0.5315, 0.3887 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, 115, 46)` looks like.

```
.text, #text, p{  
    color:rgb(238, 115, 46)  
}
```

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, 115, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 115, 46) }
```

Border

The CSS property to change the border of an element to Yxy 30.6359, 0.5315, 0.3887 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, 115, 46) }
```

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

```
.border{ border-color:rgb(238, 115, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 115, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 115, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 115, 46);  
box-shadow:4px 4px 4px 4px rgb(238, 115,  
46) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.6359, 0.5315, 0.3887$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 115, 46) }
```

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

```
.background{ background-color: rgb(238,  
115, 46) }
```

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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