

Converting Colors

$Y_{xy}(30.9312, 0.5284, 0.3920)$

Have a look what the booklet for
Yxy(30.9312, 0.5284, 0.3920)
contains.

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Color

Yxy(30.9166, 0.5291, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	ED752D
RGB	237, 117, 45
RGB Percent	93%, 46%, 18%
CMY	0.0706, 0.5412, 0.8234
CMYK	0.00, 0.51, 0.81, 0.07
HSL	22°, 84%, 55%
HSV	22°, 81%, 93%
XYZ	41.7615, 30.9166, 6.2512
YIQ	144.6720, 94.6320, 3.0480

Conversions

Conversions Part 2

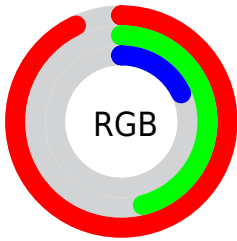
Format	Color
R _Y B	237, 160, 45
Decimal	15562029
CIE Lab	62.44, 42.02, 58.08
CIE LCh	62, 71.690, 54.113
Yxy	30.9166, 0.5291, 0.3917
Android (android.graphics.Color)	4293752109 (0xFFED752D)
YUV	144.6720, -49.1383, 80.9717
Hunter-Lab	55.6027, 36.7612, 32.2561

Details

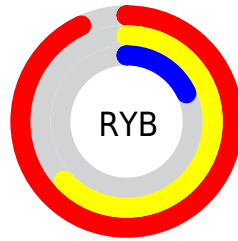
The Yxy color **30.9166, 0.5291, 0.3917** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **33.5919, 0.2009, 0.2263**, and the grayscale version is **28.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2489, 0.4551, 0.4024**, and **12.7793, 0.5762, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **27.6006, 0.5580, 0.3866**, and if you desaturate by 10%, it is **34.8847, 0.4963, 0.3916**.

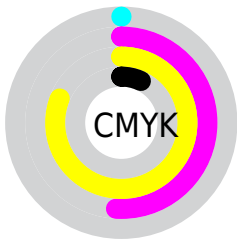
Distribution



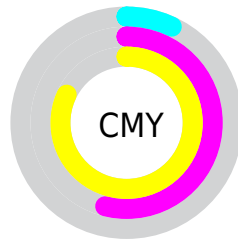
- Red (93%)
- Green (46%)
- Blue (18%)



- Red (93%)
- Yellow (63%)
- Blue (18%)



- Cyan (0%)
- Magenta (51%)
- Yellow (81%)
- Black (7%)





- Cyan (7%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9166, 0.5291, 0.3917 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 30.9166, 0.5291, 0.3917 by changing the saturation by 10% instead.


 30.9166, 0.5291,
0.3917


 30.9166, 0.5291,
0.3917


306.1539, 0.4194,
0.3728


 20.5353, 0.5537,
0.3906


 61.1087, 0.4906,
0.3889

 12.7848, 0.5824,
0.3857


 81.6884, 0.4756,
0.3865


 7.2805, 0.6223,
0.3777


 106.4364, 0.4628,
0.3840

 3.6381, 0.6519,
0.3481

 135.7370, 0.4517,
0.3815

 1.4733, 0.6971,
0.3029

 169.9746, 0.4420,
0.3792

 0.2698, 0.8348,
0.1652

 209.5338, 0.4335,

 0.0000, 1.0000,

0.3769

0.0000

254.7987, 0.4261,
0.3747

■ 0.0000, 0.0000,
0.0000

■ 30.9166, 0.5291,
0.3917

■ 30.9166, 0.5291,
0.3917

■ 27.6006, 0.5580,
0.3866

■ 34.8847, 0.4963,
0.3916

■ 25.1268, 0.5793,
0.3782

■ 39.5386, 0.4626,
0.3870


■ 44.9152, 0.4301,
0.3794


■ 51.0466, 0.4003,
0.3700

■ 57.9628, 0.3739,
0.3598

 65.6921, 0.3509,
0.3494

 74.2612, 0.3311,
0.3394

 83.6955, 0.3143,
0.3299

 93.8031, 0.3018,
0.3244

Harmonies

Analogous

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



30.9166, 0.5147, 0.3185



30.9166, 0.5291, 0.3917



30.9166, 0.4762, 0.4697

Triad

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



30.9166, 0.5291, 0.3917



30.9166, 0.1956, 0.4188



30.9166, 0.2111, 0.1731

Complementary

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



30.9166, 0.5291, 0.3917



33.5919, 0.2009, 0.2263

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.



30.9166, 0.1542, 0.1733



30.9166, 0.5291, 0.3917



30.9166, 0.1441, 0.2891

Square

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



30.9166, 0.5291, 0.3917



30.9166, 0.2847, 0.5273



30.9166, 0.1325, 0.2075



30.9166, 0.3070, 0.2008

Rectangle

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



30.9166, 0.5291, 0.3917



30.9166, 0.4188, 0.5167



30.9166, 0.1325, 0.2075



30.9166, 0.1879, 0.1699

Sweetspot

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



30.9183, 0.5291, 0.3917



74.6409, 0.3576, 0.3526



22.6594, 0.4118, 0.2180



15.2766, 0.3658, 0.3563



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.



30.9183, 0.5291, 0.3917



30.4662, 0.5733, 0.3807



64.9856, 0.4332, 0.4789



15.9794, 0.3283, 0.3379



13.9498, 0.5764, 0.3806



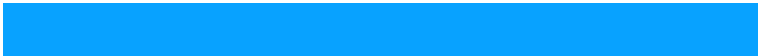
1.2749, 0.5503, 0.4012

Inverse Universe

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



33.5919, 0.2009, 0.2263



33.2016, 0.1901, 0.2028



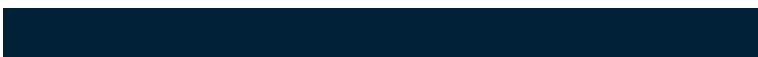
11.1315, 0.1675, 0.1003



16.1177, 0.2981, 0.3200



15.1860, 0.1893, 0.2015



1.3762, 0.1948, 0.2211

Previews

White Background



This preview shows how the Yxy color 30.9166, 0.5291, 0.3917 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 30.9166, 0.5291, 0.3917 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 30.9166, 0.5291, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 30.9166, 0.5291, 0.3917.



This preview shows how white text looks on a background with the Yxy color 30.9166, 0.5291, 0.3917.

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

30.9166, 0.5291, 0.3917

Protanopia

31.1578, 0.4191, 0.4621

Deuteranopia

31.1442, 0.4614, 0.4525



Tritanopia

30.9615, 0.4652, 0.3221

Trichromacy



Original Color

30.9166, 0.5291, 0.3917

Protanomaly

30.1736, 0.4614, 0.4340

Deuteranomaly

30.6066, 0.4882, 0.4281

Tritanomaly

30.9163, 0.4937, 0.3518

Monochromacy



Original Color

30.9166, 0.5291, 0.3917

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.8971, 0.3921, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9166, 0.5291, 0.3917 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(237, 117, 45)` looks like.

```
.text, #text, p{  
    color:rgb(237, 117, 45)  
}
```

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(237, 117, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 117, 45) }
```

Border

The CSS property to change the border of an element to Yxy 30.9166, 0.5291, 0.3917 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(237, 117, 45) }
```

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

```
.border{ border-color:rgb(237, 117, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 117, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 117, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 117, 45);  
box-shadow:4px 4px 4px 4px rgb(237, 117,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9166, 0.5291, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 117, 45) }
```

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

```
.background{ background-color: rgb(237,  
117, 45) }
```

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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