

Converting Colors

$Y_{xy}(31.2396, 0.5289, 0.4092)$

Have a look what the booklet for
Yxy(31.2396, 0.5289, 0.4092)
contains.

Yxy(31.3836, 0.5287, 0.4095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.3836, 0.5287, 0.4095)

Conversions

Conversions Part 1

Format	Color
Hex	E87B17
RGB	232, 123, 23
RGB Percent	91%, 48%, 9%
CMY	0.0902, 0.5176, 0.9095
CMYK	0.00, 0.47, 0.90, 0.09
HSL	29°, 82%, 50%
HSV	29°, 90%, 91%
XYZ	40.5189, 31.3836, 4.7363
YIQ	144.1910, 97.0640, -7.9920

Conversions

Conversions Part 2

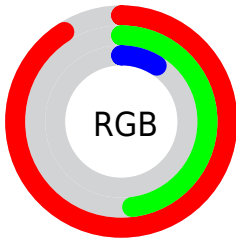
Format	Color
R _Y B	232, 215, 23
Decimal	15235863
CIE Lab	62.83, 36.52, 65.58
CIE LCh	63, 75.061, 60.884
Yxy	31.3836, 0.5287, 0.4095
Android (android.graphics.Color)	4293425943 (0xFFE87B17)
YUV	144.1910, -59.7472, 77.0085
Hunter-Lab	56.0211, 31.0687, 34.2021

Details

The Yxy color **31.3836, 0.5287, 0.4095** 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 **22.5341, 0.1852, 0.1800**, and the grayscale version is **28.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2984, 0.4612, 0.4205**, and **13.0697, 0.5612, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **28.5178, 0.5493, 0.4021**, and if you desaturate by 10%, it is **34.7138, 0.5040, 0.4120**.

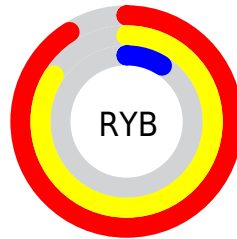
Distribution



Red (91%)

Green (48%)

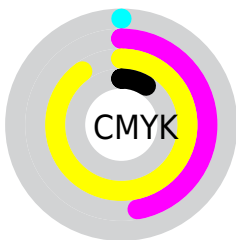
Blue (9%)



Red (91%)

Yellow (84%)

Blue (9%)

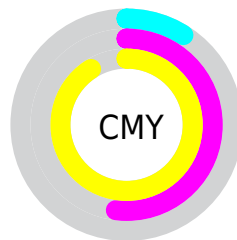


Cyan (0%)

Magenta (47%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (52%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3836, 0.5287, 0.4095 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 31.3836, 0.5287, 0.4095 by changing the saturation by 10% instead.


 31.3836, 0.5287,
0.4095

 31.3836, 0.5287,
0.4095


308.3017, 0.4223,
0.3836


 20.8911, 0.5509,
0.4092


 61.8435, 0.4925,
0.4049

 13.0444, 0.5768,
0.4053


 82.5797, 0.4780,
0.4016


 7.4592, 0.6057,
0.3943


 107.4993, 0.4654,
0.3983

 3.7509, 0.6321,
0.3679

 136.9867, 0.4545,
0.3950

 1.5352, 0.6731,
0.3269

 171.4262, 0.4449,
0.3918


 0.3133, 0.7982,
0.2018

 211.2023, 0.4364,

 0.0000, 1.0000,


0.3889


0.0000


 256.6993, 0.4289,
0.3861

 0.0000, 0.0000,
0.0000


 31.3836, 0.5287,
0.4095


 31.3836, 0.5287,
0.4095


 28.5178, 0.5493,
0.4021

 34.7138, 0.5040,
0.4120

 38.5254, 0.4763,
0.4092

 42.8461, 0.4475,
0.4020

 47.6994, 0.4194,
0.3917

 53.1067, 0.3930,
0.3796

■ 59.0877, 0.3691,
0.3667

■ 65.6614, 0.3478,
0.3536

■ 72.8455, 0.3291,
0.3410

■ 80.6567, 0.3128,
0.3291

Harmonies

Analogous

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



31.3836, 0.5332, 0.3333



31.3836, 0.5287, 0.4095



31.3836, 0.4615, 0.4905

Triad

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



31.3836, 0.5287, 0.4095



31.3836, 0.1752, 0.3896



31.3836, 0.2262, 0.1725

Complementary

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



31.3836, 0.5287, 0.4095



22.5341, 0.1852, 0.1800

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.



31.3836, 0.1592, 0.1658



31.3836, 0.5287, 0.4095



31.3836, 0.1329, 0.2626

Square

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



31.3836, 0.5287, 0.4095



31.3836, 0.2595, 0.5194



31.3836, 0.1294, 0.1915



31.3836, 0.3336, 0.2067

Rectangle

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



31.3836, 0.5287, 0.4095



31.3836, 0.3981, 0.5357



31.3836, 0.1294, 0.1915



31.3836, 0.1993, 0.1670

Sweetspot

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



31.3853, 0.5287, 0.4095



75.5158, 0.3626, 0.3628



19.5082, 0.4629, 0.2381



15.5859, 0.3703, 0.3673



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.



31.3853, 0.5287, 0.4095



35.1690, 0.5501, 0.4014



71.0931, 0.4227, 0.4978



15.4995, 0.3280, 0.3403



16.0798, 0.5467, 0.4041



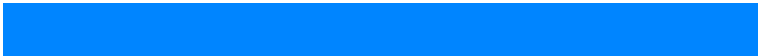
1.3733, 0.5233, 0.4227

Inverse Universe

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



22.5341, 0.1852, 0.1800



24.0063, 0.1783, 0.1619



6.9401, 0.1551, 0.0700



15.1251, 0.2981, 0.3175



11.0858, 0.1793, 0.1655



1.0050, 0.1864, 0.1911

Previews

White Background



This preview shows how the Yxy color 31.3836, 0.5287, 0.4095 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 31.3836, 0.5287, 0.4095 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 31.3836, 0.5287, 0.4095

Background



This preview shows how black text looks on a background with the Yxy color 31.3836, 0.5287, 0.4095.



This preview shows how white text looks on a background with the Yxy color 31.3836, 0.5287, 0.4095.

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

31.3836, 0.5287, 0.4095

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

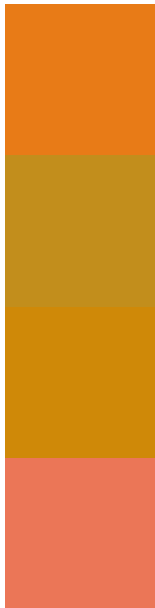
31.5883, 0.4716, 0.4638



Tritanopia

31.5244, 0.4506, 0.3207

Trichromacy



Original Color

31.3836, 0.5287, 0.4095

Protanomaly

30.8992, 0.4698, 0.4517

Deuteranomaly

31.1743, 0.4938, 0.4434

Tritanomaly

31.3072, 0.4904, 0.3616

Monochromacy



Original Color

31.3836, 0.5287, 0.4095

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7585, 0.3993, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3836, 0.5287, 0.4095 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, 123, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 123, 23)  
}
```

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, 123, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 123, 23) }
```

Border

The CSS property to change the border of an element to Yxy 31.3836, 0.5287, 0.4095 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, 123, 23) }
```

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

```
.border{ border-color:rgb(232, 123, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 123, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 123, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 123, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 123,  
23) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.3836, 0.5287, 0.4095$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 123, 23) }
```

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

```
.background{ background-color: rgb(232,  
123, 23) }
```

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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