

Converting Colors

$Y_{xy}(30.8108, 0.5246, 0.4103)$

Have a look what the booklet for
Yxy(30.8108, 0.5246, 0.4103)
contains.

Yxy(30.7390, 0.5243, 0.4103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7390, 0.5243, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	E47B1B
RGB	228, 123, 27
RGB Percent	89%, 48%, 11%
CMY	0.1058, 0.5177, 0.8941
CMYK	0.00, 0.46, 0.88, 0.11
HSL	29°, 79%, 50%
HSV	29°, 88%, 89%
XYZ	39.2797, 30.7390, 4.8997
YIQ	143.4510, 93.3960, -7.5960

Conversions

Conversions Part 2

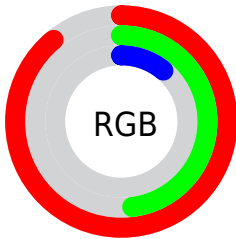
Format	Color
R _Y B	228, 211, 27
Decimal	14973723
CIE Lab	62.29, 34.99, 63.84
CIE LCh	62, 72.799, 61.274
Yxy	30.7390, 0.5243, 0.4103
Android (android.graphics.Color)	4293163803 (0xFFE47B1B)
YUV	143.4510, -57.4103, 74.1495
Hunter-Lab	55.4428, 29.4376, 33.5703

Details

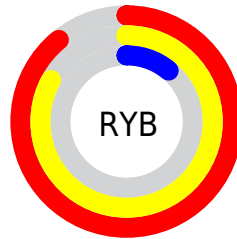
The Yxy color **30.7390, 0.5243, 0.4103** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.3437, 0.1868, 0.1838**, and the grayscale version is **27.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3288, 0.4599, 0.4191**, and **12.7417, 0.5587, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **27.8929, 0.5456, 0.4035**, and if you desaturate by 10%, it is **34.0277, 0.4988, 0.4118**.

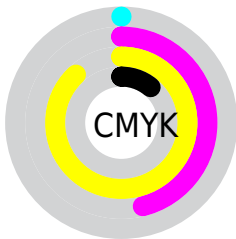
Distribution



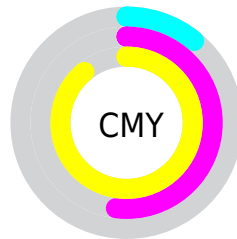
- Red (89%)
- Green (48%)
- Blue (11%)



- Red (89%)
- Yellow (83%)
- Blue (11%)



- Cyan (0%)
- Magenta (46%)
- Yellow (88%)
- Black (11%)




- Cyan (11%)
- Magenta (52%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7390, 0.5243, 0.4103 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 30.7390, 0.5243, 0.4103 by changing the saturation by 10% instead.

 30.7390, 0.5243,
0.4103


 30.7390, 0.5243,
0.4103


305.3341, 0.4192,
0.3829


 20.4002, 0.5466,
0.4105


 60.8289, 0.4883,
0.4049

 12.6863, 0.5724,
0.4073

 81.3488, 0.4740,
0.4015


 7.2129, 0.6024,
0.3976


 106.0312, 0.4616,
0.3979

 3.5956, 0.6286,
0.3714

 135.2604, 0.4508,
0.3946

 1.4500, 0.6695,
0.3305

 169.4210, 0.4414,
0.3913

 0.2532, 0.8158,
0.1842

 208.8971, 0.4331,

 0.0000, 1.0000,

0.3883

0.0000

254.0734, 0.4257,
0.3855

0.0000, 0.0000,
0.0000

30.7390, 0.5243,
0.4103

30.7390, 0.5243,
0.4103

27.8929, 0.5456,
0.4035

34.0277, 0.4988,
0.4118


27.4103, 0.5494,
0.4020

37.7843, 0.4707,
0.4080


42.0351, 0.4420,
0.4001


46.8021, 0.4141,
0.3894

52.1055, 0.3882,
0.3771

 57.9642, 0.3648,
0.3641

 64.3960, 0.3440,
0.3511

 71.4179, 0.3258,
0.3387

 79.0458, 0.3100,
0.3269

Harmonies

Analogous

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



30.7390, 0.5289, 0.3349



30.7390, 0.5243, 0.4103



30.7390, 0.4585, 0.4894

Triad

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



30.7390, 0.5243, 0.4103



30.7390, 0.1773, 0.3865



30.7390, 0.2292, 0.1754

Complementary

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



30.7390, 0.5243, 0.4103



22.3437, 0.1868, 0.1838

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.



30.7390, 0.1625, 0.1685



30.7390, 0.5243, 0.4103



30.7390, 0.1357, 0.2632

Square

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



30.7390, 0.5243, 0.4103



30.7390, 0.2599, 0.5130



30.7390, 0.1325, 0.1936



30.7390, 0.3349, 0.2095

Rectangle

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



30.7390, 0.5243, 0.4103



30.7390, 0.3963, 0.5324



30.7390, 0.1325, 0.1936



30.7390, 0.2025, 0.1699

Sweetspot

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



30.7407, 0.5243, 0.4103



76.2975, 0.3605, 0.3615



19.0076, 0.4584, 0.2374



15.7389, 0.3681, 0.3660



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.



30.7407, 0.5243, 0.4103



35.1239, 0.5503, 0.4012



68.4556, 0.4220, 0.4968



15.4978, 0.3280, 0.3403



16.0595, 0.5469, 0.4040



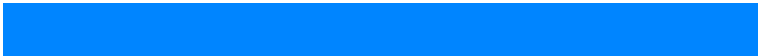
1.3718, 0.5234, 0.4226

Inverse Universe

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



22.3437, 0.1868, 0.1838



24.0567, 0.1784, 0.1621



6.9624, 0.1566, 0.0726



15.1269, 0.2981, 0.3175



11.1084, 0.1794, 0.1657



1.0067, 0.1865, 0.1913

Previews

White Background



This preview shows how the Yxy color 30.7390, 0.5243, 0.4103 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 30.7390, 0.5243, 0.4103 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 30.7390, 0.5243, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 30.7390, 0.5243, 0.4103.



This preview shows how white text looks on a background with the Yxy color 30.7390, 0.5243, 0.4103.

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

30.7390, 0.5243, 0.4103

Protanopia

30.7948, 0.4316, 0.4759

Deuteranopia

30.7301, 0.4714, 0.4624



Tritanopia

30.8473, 0.4465, 0.3205

Trichromacy



Original Color

30.7390, 0.5243, 0.4103

Protanomaly

30.2250, 0.4668, 0.4513

Deuteranomaly

30.4722, 0.4916, 0.4436

Tritanomaly

30.6504, 0.4857, 0.3613

Monochromacy



Original Color

30.7390, 0.5243, 0.4103

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.5466, 0.3958, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7390, 0.5243, 0.4103 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(228, 123, 27)` looks like.

```
.text, #text, p{  
    color:rgb(228, 123, 27)  
}
```

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(228, 123, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 123, 27) }
```

Border

The CSS property to change the border of an element to Yxy 30.7390, 0.5243, 0.4103 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(228, 123, 27) }
```

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

```
.border{ border-color:rgb(228, 123, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 123, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 123, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 123, 27);  
box-shadow:4px 4px 4px 4px rgb(228, 123,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7390, 0.5243, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 123, 27) }
```

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

```
.background{ background-color: rgb(228,  
123, 27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor