

Converting Colors

$Y_{xy}(27.6710, 0.5260, 0.4148)$

Have a look what the booklet for
Yxy(27.6710, 0.5260, 0.4148)
contains.

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Color

Yxy(27.7431, 0.5260, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	D9760F
RGB	217, 118, 15
RGB Percent	85%, 46%, 6%
CMY	0.1490, 0.5372, 0.9404
CMYK	0.00, 0.46, 0.93, 0.15
HSL	31°, 87%, 46%
HSV	31°, 93%, 85%
XYZ	35.1805, 27.7431, 3.9595
YIQ	135.8590, 92.0670, -11.0450

Conversions

Conversions Part 2

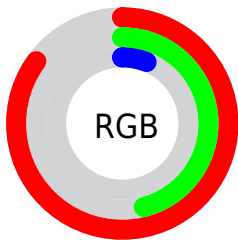
Format	Color
R_{YB}	209, 217, 15
Decimal	14251535
CIE _{Lab}	59.66, 32.89, 64.18
CIE _{LCh}	60, 72.119, 62.864
Yxy	27.7431, 0.5260, 0.4148
Android (android.graphics.Color)	4292441615 (0xFFD9760F)
YUV	135.8590, -59.5835, 71.1607
Hunter-Lab	52.6717, 27.0482, 32.4132

Details

The Yxy color **27.7431, 0.5260, 0.4148** 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 **17.1876, 0.1805, 0.1654**, and the grayscale version is **24.7753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8938, 0.4700, 0.4191**, and **11.1028, 0.5564, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **26.0236, 0.5394, 0.4099**, and if you desaturate by 10%, it is **30.4926, 0.5039, 0.4181**.

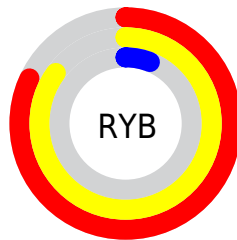
Distribution



Red (85%)

Green (46%)

Blue (6%)



Red (82%)

Yellow (85%)

Blue (6%)

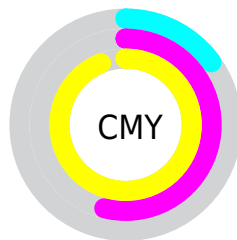


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (15%)



Cyan (15%)


Magenta (54%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7431, 0.5260, 0.4148 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 27.7431, 0.5260, 0.4148 by changing the saturation by 10% instead.


 27.7431, 0.5260,
0.4148


 27.7431, 0.5260,
0.4148


291.2373, 0.4192,
0.3853


 18.1321, 0.5484,
0.4149


 56.0740, 0.4894,
0.4090


 11.0449, 0.5765,
0.4125


 75.5627, 0.4748,
0.4053


 6.0970, 0.6018,
0.3982


 99.1128, 0.4622,
0.4015

 2.9042, 0.6297,
0.3703

 127.1086, 0.4512,
0.3978

 1.0819, 0.6749,
0.3251

 159.9346, 0.4417,
0.3943

 0.0000, 1.0000,
0.0000

 197.9751, 0.4332,

 0.0000, 0.0000,

0.3911

0.0000

241.6145, 0.4258,
0.3881

27.7431, 0.5260,
0.4148

27.7431, 0.5260,
0.4148

26.0236, 0.5394,
0.4099

30.4926, 0.5039,
0.4181

33.6133, 0.4785,
0.4159

37.1277, 0.4515,
0.4091

41.0543, 0.4244,
0.3989

45.4100, 0.3986,
0.3864

■ 50.2104, 0.3747,
0.3729

■ 55.4701, 0.3532,
0.3591

■ 61.2029, 0.3341,
0.3456

■ 67.4219, 0.3173,
0.3327

Harmonies

Analogous

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



27.7431, 0.5357, 0.3381



27.7431, 0.5260, 0.4148



27.7431, 0.4558, 0.4958

Triad

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



27.7431, 0.5260, 0.4148



27.7431, 0.1709, 0.3801



27.7431, 0.2320, 0.1738

Complementary

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



27.7431, 0.5260, 0.4148



17.1876, 0.1805, 0.1654

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.



27.7431, 0.1623, 0.1652



27.7431, 0.5260, 0.4148



27.7431, 0.1314, 0.2561

Square

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



27.7431, 0.5260, 0.4148



27.7431, 0.2528, 0.5134



27.7431, 0.1302, 0.1884



27.7431, 0.3418, 0.2098

Rectangle

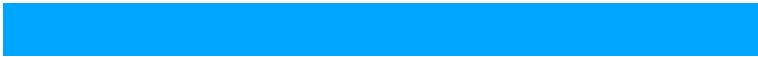
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.7431, 0.5260, 0.4148



27.7431, 0.3914, 0.5392



27.7431, 0.1302, 0.1884



27.7431, 0.2042, 0.1677

Sweetspot

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



27.7446, 0.5260, 0.4148



75.8783, 0.3642, 0.3664



16.3613, 0.4816, 0.2467



15.5498, 0.3739, 0.3724



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.



27.7446, 0.5260, 0.4148



37.2036, 0.5408, 0.4088



64.4105, 0.4181, 0.5032



14.1428, 0.3279, 0.3409



15.9660, 0.5373, 0.4116



1.2067, 0.5129, 0.4309

Inverse Universe

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



17.1876, 0.1805, 0.1654



21.9079, 0.1754, 0.1513



5.4597, 0.1529, 0.0647



13.6665, 0.2982, 0.3168



9.5384, 0.1765, 0.1554



0.7902, 0.1848, 0.1853

Previews

White Background



This preview shows how the Yxy color 27.7431, 0.5260, 0.4148 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 27.7431, 0.5260, 0.4148 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 27.7431, 0.5260, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 27.7431, 0.5260, 0.4148.



This preview shows how white text looks on a background with the Yxy color 27.7431, 0.5260, 0.4148.

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

27.7431, 0.5260, 0.4148

Protanopia

27.9981, 0.4334, 0.4817

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.8320, 0.4446, 0.3200

Trichromacy



Original Color

27.7431, 0.5260, 0.4148

Protanomaly

27.3272, 0.4688, 0.4560

Deuteranomaly

27.5805, 0.4924, 0.4449

Tritanomaly

27.6200, 0.4875, 0.3649

Monochromacy



Original Color

27.7431, 0.5260, 0.4148

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4726, 0.3998, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7431, 0.5260, 0.4148 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(217, 118, 15)` looks like.

```
.text, #text, p{  
    color:rgb(217, 118, 15)  
}
```

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(217, 118, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 118, 15) }
```

Border

The CSS property to change the border of an element to Yxy 27.7431, 0.5260, 0.4148 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(217, 118, 15) }
```

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

```
.border{ border-color:rgb(217, 118, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 118, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 118, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 118, 15);  
box-shadow:4px 4px 4px 4px rgb(217, 118,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7431, 0.5260, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 118, 15) }
```

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

```
.background{ background-color: rgb(217,  
118, 15) }
```

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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