

Converting Colors

$Y_{xy}(29.2837, 0.5128, 0.4311)$

Have a look what the booklet for
Yxy(29.2837, 0.5128, 0.4311)
contains.

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Color

Yxy(29.1758, 0.5130, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	D47F00
RGB	212, 127, 0
RGB Percent	83%, 50%, 0%
CMY	0.1686, 0.5020, 0.9992
CMYK	0.00, 0.40, 1.00, 0.17
HSL	36°, 100%, 42%
HSV	36°, 100%, 83%
XYZ	34.7428, 29.1758, 3.8061
YIQ	137.9370, 91.4270, -21.4770

Conversions

Conversions Part 2

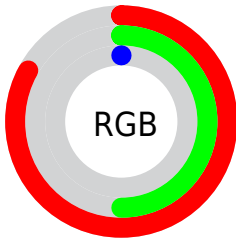
Format	Color
R_{YB}	142, 212, 0
Decimal	13926144
CIE Lab	60.94, 25.88, 67.26
CIE LCh	61, 72.062, 68.954
Yxy	29.1758, 0.5130, 0.4308
Android (android.graphics.Color)	4292116224 (0xFFD47F00)
YUV	137.9370, -68.0029, 64.9533
Hunter-Lab	54.0146, 20.2875, 33.6324

Details

The Yxy color **29.1758, 0.5130, 0.4308** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **11.2857, 0.1682, 0.1252**, and the grayscale version is **25.6386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3447, 0.4649, 0.4306**, and **11.8871, 0.5356, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **29.1551, 0.5131, 0.4308**, and if you desaturate by 10%, it is **31.5241, 0.4972, 0.4350**.

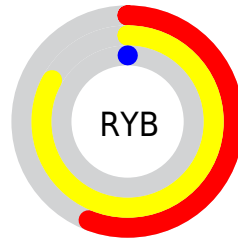
Distribution



Red (83%)

Green (50%)

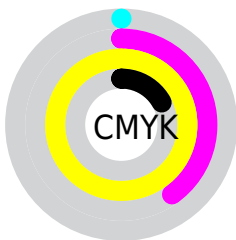
Blue (0%)



Red (56%)

Yellow (83%)

Blue (0%)

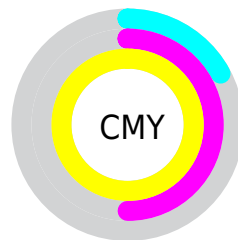


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1758, 0.5130, 0.4308 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 29.1758, 0.5130, 0.4308 by changing the saturation by 10% instead.


 29.1758, 0.5130,
0.4308


 29.1758, 0.5130,
0.4308


298.0435, 0.4149,
0.3927

 19.2139, 0.5326,
0.4331


 58.3563, 0.4801,
0.4218

 11.8249, 0.5574,
0.4341


 78.3436, 0.4668,
0.4169


 6.6246, 0.5770,
0.4230


 102.4415, 0.4551,
0.4121

 3.2284, 0.5989,
0.4011

 131.0344, 0.4450,
0.4075

 1.2521, 0.6348,
0.3652

 164.5066, 0.4360,
0.4033

 0.1037, 0.8757,
0.1243


 203.2426, 0.4282,


 0.0000, 0.0000,


0.3995


0.0000


 247.6268, 0.4212,
0.3959


 29.1758, 0.5130,
0.4308


 29.1758, 0.5130,
0.4308


 29.1551, 0.5131,
0.4308

 31.5241, 0.4972,
0.4350

 34.1216, 0.4782,
0.4345

 36.9939, 0.4566,
0.4288

 40.1563, 0.4334,
0.4189

 43.6220, 0.4099,
0.4059

■ 47.4031, 0.3872,
0.3910

■ 51.5107, 0.3658,
0.3752

■ 55.9552, 0.3462,
0.3592

■ 60.7464, 0.3284,
0.3437

Harmonies

Analogous

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



29.1758, 0.5367, 0.3535



29.1758, 0.5130, 0.4308



29.1758, 0.4361, 0.5088

Triad

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



29.1758, 0.5130, 0.4308



29.1758, 0.1616, 0.3510



29.1758, 0.2524, 0.1808

Complementary

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



29.1758, 0.5130, 0.4308



11.2857, 0.1682, 0.1252

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.



29.1758, 0.1750, 0.1666



29.1758, 0.5130, 0.4308



29.1758, 0.1307, 0.2396

Square

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



29.1758, 0.5130, 0.4308



29.1758, 0.2350, 0.4880



29.1758, 0.1361, 0.1828



29.1758, 0.3665, 0.2216

Rectangle

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



29.1758, 0.5130, 0.4308



29.1758, 0.3705, 0.5440



29.1758, 0.1361, 0.1828



29.1758, 0.2220, 0.1730

Sweetspot

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



29.1773, 0.5130, 0.4308



77.9655, 0.3667, 0.3758



14.7145, 0.5329, 0.2710



16.1076, 0.3756, 0.3826



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.



29.1773, 0.5130, 0.4308



43.9302, 0.5144, 0.4298



58.6061, 0.4047, 0.5168



13.6448, 0.3276, 0.3429



18.1989, 0.5115, 0.4321



1.2578, 0.4913, 0.4481

Inverse Universe

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



11.2857, 0.1682, 0.1252



16.7904, 0.1676, 0.1232



4.8855, 0.1524, 0.0614



12.8186, 0.2982, 0.3147



7.1381, 0.1688, 0.1277



0.5904, 0.1784, 0.1623

Previews

White Background



This preview shows how the Yxy color 29.1758, 0.5130, 0.4308 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 29.1758, 0.5130, 0.4308 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 29.1758, 0.5130, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 29.1758, 0.5130, 0.4308.



This preview shows how white text looks on a background with the Yxy color 29.1758, 0.5130, 0.4308.

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

29.1758, 0.5130, 0.4308

Protanopia

29.3242, 0.4366, 0.4848

Deuteranopia

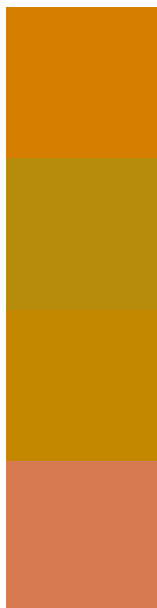
29.1953, 0.4711, 0.4642



Tritanopia

29.2409, 0.4238, 0.3184

Trichromacy



Original Color

29.1758, 0.5130, 0.4308

Protanomaly

28.8454, 0.4661, 0.4642

Deuteranomaly

28.9300, 0.4867, 0.4517

Tritanomaly

28.7159, 0.4753, 0.3755

Monochromacy



Original Color

29.1758, 0.5130, 0.4308

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.7541, 0.4007, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1758, 0.5130, 0.4308 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(212, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 0)  
}
```

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(212, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.1758, 0.5130, 0.4308 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(212, 127, 0) }
```

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

```
.border{ border-color:rgb(212, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1758, 0.5130, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 0) }
```

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

```
.background{ background-color: rgb(212,  
127, 0) }
```

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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