

Converting Colors

$Y_{xy}(30.1847, 0.5030, 0.4387)$

Have a look what the booklet for
Yxy(30.1847, 0.5030, 0.4387)
contains.

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Color

Yxy(30.0578, 0.5037, 0.4383)

Conversions

Conversions Part 1

Format	Color
Hex	D18400
RGB	209, 132, 0
RGB Percent	82%, 52%, 0%
CMY	0.1804, 0.4823, 1.0000
CMYK	0.00, 0.37, 1.00, 0.18
HSL	38°, 100%, 41%
HSV	38°, 100%, 82%
XYZ	34.5428, 30.0578, 3.9775
YIQ	139.9750, 88.2640, -24.7280

Conversions

Conversions Part 2

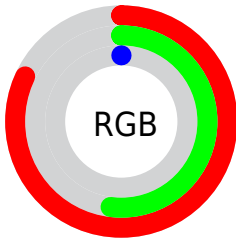
Format	Color
R_{YB}	122, 209, 0
Decimal	13730816
CIE _{Lab}	61.70, 21.88, 67.61
CIE _{LCh}	62, 71.065, 72.065
Yxy	30.0578, 0.5037, 0.4383
Android (android.graphics.Color)	4291920896 (0xFFD18400)
YUV	139.9750, -69.0077, 60.5349
Hunter-Lab	54.8250, 16.5212, 34.0760

Details

The Yxy color **30.0578, 0.5037, 0.4383** 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 **9.9071, 0.1655, 0.1158**, and the grayscale version is **26.4644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4129, 0.4600, 0.4345**, and **12.3305, 0.5227, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **30.0596, 0.5037, 0.4383**, and if you desaturate by 10%, it is **32.2790, 0.4893, 0.4416**.

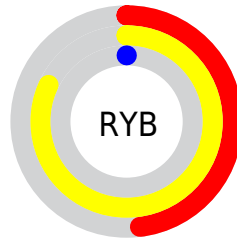
Distribution



Red (82%)

Green (52%)

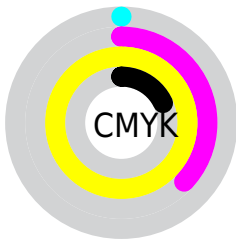
Blue (0%)



Red (48%)

Yellow (82%)

Blue (0%)

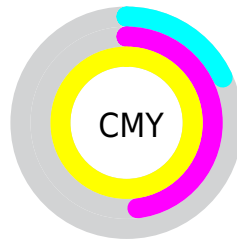


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0578, 0.5037, 0.4383 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 30.0578, 0.5037, 0.4383 by changing the saturation by 10% instead.

 30.0578, 0.5037,
0.4383


 30.0578, 0.5037,
0.4383


302.1738, 0.4110,
0.3954


 19.8825, 0.5220,
0.4421


 59.7536, 0.4728,
0.4273


 12.3096, 0.5444,
0.4448


 80.0428, 0.4602,
0.4217


 6.9549, 0.5628,
0.4372


 104.4721, 0.4492,
0.4164

 3.4339, 0.5813,
0.4187

 133.4259, 0.4396,
0.4114

 1.3622, 0.6116,
0.3884

 167.2886, 0.4311,
0.4069

 0.1887, 0.7909,
0.2091

 206.4445, 0.4236,

 0.0000, 0.0000,

0.4027

0.0000

251.2781, 0.4169,
0.3989

30.0578, 0.5037,
0.4383

30.0578, 0.5037,
0.4383

30.0596, 0.5037,
0.4383

32.2790, 0.4893,
0.4416

34.7138, 0.4719,
0.4404

37.3869, 0.4519,
0.4341

40.3118, 0.4301,
0.4235

43.5005, 0.4078,
0.4099

■ 46.9639, 0.3860,
0.3943

■ 50.7117, 0.3652,
0.3777

■ 54.7532, 0.3460,
0.3610

■ 59.0971, 0.3285,
0.3446

Harmonies

Analogous

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



30.0578, 0.5330, 0.3616



30.0578, 0.5037, 0.4383



30.0578, 0.4252, 0.5126

Triad

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



30.0578, 0.5037, 0.4383



30.0578, 0.1595, 0.3372



30.0578, 0.2640, 0.1864

Complementary

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



30.0578, 0.5037, 0.4383



9.9071, 0.1655, 0.1158

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.



30.0578, 0.1836, 0.1696



30.0578, 0.5037, 0.4383



30.0578, 0.1328, 0.2337

Square

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



30.0578, 0.5037, 0.4383



30.0578, 0.2278, 0.4715



30.0578, 0.1415, 0.1823



30.0578, 0.3781, 0.2291

Rectangle

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



30.0578, 0.5037, 0.4383



30.0578, 0.3598, 0.5418



30.0578, 0.1415, 0.1823



30.0578, 0.2327, 0.1778

Sweetspot

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



30.0596, 0.5037, 0.4383



79.3361, 0.3659, 0.3783



14.1344, 0.5466, 0.2785



16.4341, 0.3746, 0.3854



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.



30.0596, 0.5037, 0.4383



46.7770, 0.5049, 0.4373



55.8603, 0.3988, 0.5216



13.0350, 0.3275, 0.3437



18.7302, 0.5021, 0.4395



1.1961, 0.4831, 0.4546

Inverse Universe

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



9.9071, 0.1655, 0.1158



15.2116, 0.1650, 0.1138



4.8018, 0.1538, 0.0621



12.1206, 0.2982, 0.3139



6.2824, 0.1662, 0.1184



0.5011, 0.1766, 0.1558

Previews

White Background



This preview shows how the Yxy color 30.0578, 0.5037, 0.4383 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 30.0578, 0.5037, 0.4383 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 30.0578, 0.5037, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 30.0578, 0.5037, 0.4383.



This preview shows how white text looks on a background with the Yxy color 30.0578, 0.5037, 0.4383.

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

30.0578, 0.5037, 0.4383

Protanopia

30.2822, 0.4377, 0.4846

Deuteranopia

30.1648, 0.4715, 0.4639



Tritanopia

30.1280, 0.4116, 0.3181

Trichromacy



Original Color

30.0578, 0.5037, 0.4383

Protanomaly

29.8572, 0.4633, 0.4666

Deuteranomaly

29.9127, 0.4836, 0.4542

Tritanomaly

29.5589, 0.4645, 0.3792

Monochromacy



Original Color

30.0578, 0.5037, 0.4383

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.6119, 0.3975, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0578, 0.5037, 0.4383 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(209, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 132, 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(209, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 132, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.0578, 0.5037, 0.4383 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(209, 132, 0) }
```

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

```
.border{ border-color:rgb(209, 132, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 132, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 132,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0578, 0.5037, 0.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 132, 0) }
```

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

```
.background{ background-color: rgb(209,  
132, 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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