

Converting Colors

$Y_{xy}(30.3776, 0.5163, 0.4518)$

Have a look what the booklet for
Yxy(30.3776, 0.5163, 0.4518)
contains.

Yxy(30.4767, 0.5032, 0.4386)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4767, 0.5032, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	D28500
RGB	210, 133, 0
RGB Percent	82%, 52%, 0%
CMY	0.1765, 0.4784, 0.9994
CMYK	0.00, 0.37, 1.00, 0.18
HSL	38°, 100%, 41%
HSV	38°, 100%, 82%
XYZ	34.9655, 30.4767, 4.0441
YIQ	140.8610, 88.5850, -25.0390

Conversions

Conversions Part 2

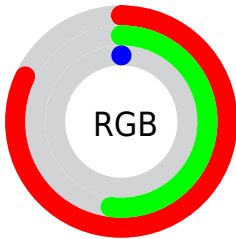
Format	Color
RYB	122, 210, 0
Decimal	13796608
CIELab	62.06, 21.78, 67.86
CIELCh	62, 71.273, 72.203
Yxy	30.4767, 0.5032, 0.4386
Android (android.graphics.Color)	4291986688 (0xFFD28500)
YUV	140.8610, -69.4445, 60.6349
Hunter-Lab	55.2057, 16.4462, 34.3007

Details

The Yxy color **30.4767, 0.5032, 0.4386** 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 **9.9827, 0.1654, 0.1155**, and the grayscale version is **26.8383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8327, 0.4591, 0.4354**, and **12.5761, 0.5219, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **30.4615, 0.5033, 0.4386**, and if you desaturate by 10%, it is **32.7205, 0.4889, 0.4419**.

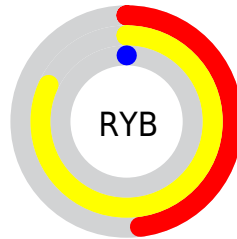
Distribution



Red (82%)

Green (52%)

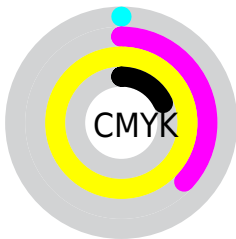
Blue (0%)



Red (48%)

Yellow (82%)

Blue (0%)

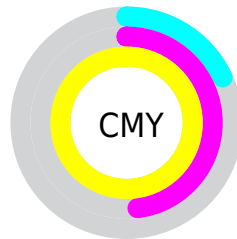


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4767, 0.5032, 0.4386 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 30.4767, 0.5032, 0.4386 by changing the saturation by 10% instead.


 30.4767, 0.5032,
0.4386


 30.4767, 0.5032,
0.4386


304.1202, 0.4110,
0.3956


 20.2007, 0.5214,
0.4425


 60.4152, 0.4725,
0.4276


 12.5410, 0.5434,
0.4451

 80.8466, 0.4600,
0.4219


 7.1133, 0.5620,
0.4380


 105.4318, 0.4490,
0.4166

 3.5330, 0.5801,
0.4199

 134.5553, 0.4394,
0.4116

 1.4159, 0.6097,
0.3903

 168.6015, 0.4310,
0.4071


 0.2284, 0.7663,
0.2337

 207.9548, 0.4235,

 0.0000, 0.0000,


0.4029


0.0000


 252.9996, 0.4169,
0.3991


 30.4767, 0.5032,
0.4386


 30.4767, 0.5032,
0.4386


 30.4615, 0.5033,
0.4386

 32.7205, 0.4889,
0.4419

 35.1800, 0.4716,
0.4406

 37.8792, 0.4515,
0.4343

 40.8322, 0.4298,
0.4237

 44.0508, 0.4076,
0.4100

■ 47.5460, 0.3858,
0.3943

■ 51.3277, 0.3651,
0.3777

■ 55.4051, 0.3459,
0.3609

■ 59.7871, 0.3284,
0.3445

Harmonies

Analogous

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



30.4767, 0.5327, 0.3619



30.4767, 0.5032, 0.4386



30.4767, 0.4247, 0.5126

Triad

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



30.4767, 0.5032, 0.4386



30.4767, 0.1595, 0.3366



30.4767, 0.2645, 0.1867

Complementary

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



30.4767, 0.5032, 0.4386



9.9827, 0.1654, 0.1155

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.



30.4767, 0.1840, 0.1698



30.4767, 0.5032, 0.4386



30.4767, 0.1330, 0.2335

Square

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



30.4767, 0.5032, 0.4386



30.4767, 0.2276, 0.4707



30.4767, 0.1418, 0.1824



30.4767, 0.3785, 0.2295

Rectangle

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



30.4767, 0.5032, 0.4386



30.4767, 0.3593, 0.5415



30.4767, 0.1418, 0.1824



30.4767, 0.2333, 0.1781

Sweetspot

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



30.4783, 0.5032, 0.4386



79.3956, 0.3659, 0.3784



14.2924, 0.5465, 0.2785



16.4483, 0.3746, 0.3855



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.



30.4783, 0.5032, 0.4386



46.9041, 0.5045, 0.4377



56.4691, 0.3988, 0.5215



13.0379, 0.3275, 0.3437



18.7798, 0.5017, 0.4398



1.1986, 0.4828, 0.4549

Inverse Universe

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



9.9827, 0.1654, 0.1155



15.1472, 0.1649, 0.1134



4.8586, 0.1539, 0.0622



12.1178, 0.2982, 0.3139



6.2564, 0.1661, 0.1181



0.4995, 0.1765, 0.1555

Previews

White Background



This preview shows how the Yxy color 30.4767, 0.5032, 0.4386 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 30.4767, 0.5032, 0.4386 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 30.4767, 0.5032, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 30.4767, 0.5032, 0.4386.



This preview shows how white text looks on a background with the Yxy color 30.4767, 0.5032, 0.4386.

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

30.4767, 0.5032, 0.4386

Protanopia

30.7138, 0.4376, 0.4847

Deuteranopia

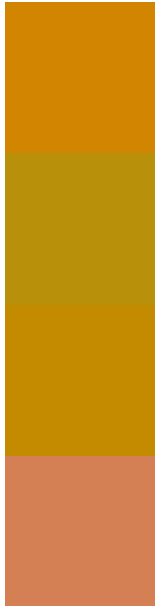
30.5921, 0.4712, 0.4641



Tritanopia

30.5558, 0.4110, 0.3182

Trichromacy



Original Color

30.4767, 0.5032, 0.4386

Protanomaly

30.2827, 0.4630, 0.4668

Deuteranomaly

30.3356, 0.4833, 0.4545

Tritanomaly

29.9808, 0.4636, 0.3790

Monochromacy



Original Color

30.4767, 0.5032, 0.4386

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0221, 0.3969, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4767, 0.5032, 0.4386 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(210, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 133, 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(210, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4767, 0.5032, 0.4386 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(210, 133, 0) }
```

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

```
.border{ border-color:rgb(210, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4767, 0.5032, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 133, 0) }
```

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

```
.background{ background-color: rgb(210,  
133, 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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