

Converting Colors

$Y_{xy}(13.1845, 0.5807, 0.3771)$

Have a look what the booklet for
Yxy(13.1845, 0.5807, 0.3771)
contains.

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Color

Yxy(13.1318, 0.5803, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	B24000
RGB	178, 64, 0
RGB Percent	70%, 25%, 0%
CMY	0.3020, 0.7489, 0.9998
CMYK	0.00, 0.64, 1.00, 0.30
HSL	22°, 100%, 35%
HSV	22°, 100%, 70%
XYZ	20.1918, 13.1318, 1.4718
YIQ	90.7900, 88.4880, 4.2640

Conversions

Conversions Part 2

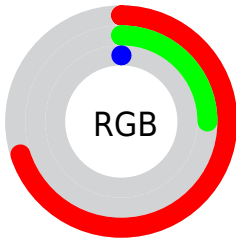
Format	Color
R _Y B	178, 100, 0
Decimal	11681792
CIE Lab	42.96, 44.20, 54.01
CIE LCh	43, 69.794, 50.707
Yxy	13.1318, 0.5803, 0.3774
Android (android.graphics.Color)	4289871872 (0xFFB24000)
YUV	90.7900, -44.7595, 76.4832
Hunter-Lab	36.2378, 36.0444, 22.9583

Details

The Yxy color **13.1318, 0.5803, 0.3774** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.2534, 0.1909, 0.2072**, and the grayscale version is **10.5030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4771, 0.5256, 0.3827**, and **3.8253, 0.6379, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **13.1288, 0.5804, 0.3774**, and if you desaturate by 10%, it is **14.5959, 0.5546, 0.3853**.

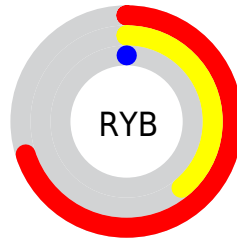
Distribution



Red (70%)

Green (25%)

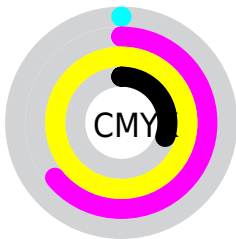
Blue (0%)



Red (70%)

Yellow (39%)

Blue (0%)

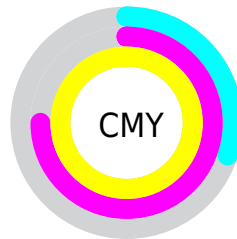


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1318, 0.5803, 0.3774 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 13.1318, 0.5803, 0.3774 by changing the saturation by 10% instead.


 13.1318, 0.5803,
0.3774


 13.1318, 0.5803,
0.3774


 211.7606, 0.4304,
0.3708


 7.5194, 0.6210,
0.3693


 31.5404, 0.5253,
0.3831


 3.7890, 0.6570,
0.3430

 45.1053, 0.5043,
0.3825

 1.5562, 0.7024,
0.2976

 62.0898, 0.4867,
0.3809

 0.3278, 0.8224,
0.1776

 82.8784, 0.4718,
0.3790


 0.0000, 1.0000,
0.0000


 107.8553, 0.4591,
0.3769


 0.0000, 0.0000,
0.0000

 137.4051, 0.4481,


0.3748


 171.9121, 0.4387,
0.3728

 13.1318, 0.5803,
0.3774


 13.1318, 0.5803,
0.3774

 13.1288, 0.5804,
0.3774

 14.5959, 0.5546,
0.3853

 16.3759, 0.5243,
0.3892

 18.5012, 0.4909,
0.3882

 20.9916, 0.4572,
0.3833

 23.8651, 0.4252,
0.3758

■ 27.1384, 0.3960,
0.3667

■ 30.8271, 0.3704,
0.3570

■ 34.9459, 0.3481,
0.3472

■ 39.5085, 0.3290,
0.3378

Harmonies

Analogous

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



13.1318, 0.5617, 0.2976



13.1318, 0.5803, 0.3774



13.1318, 0.5130, 0.4739

Triad

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



13.1318, 0.5803, 0.3774



13.1318, 0.1726, 0.4687



13.1318, 0.1773, 0.1413

Complementary

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



13.1318, 0.5803, 0.3774



15.2534, 0.1909, 0.2072

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.



13.1318, 0.1190, 0.1435



13.1318, 0.5803, 0.3774



13.1318, 0.1121, 0.2874

Square

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



13.1318, 0.5803, 0.3774



13.1318, 0.2795, 0.6021



13.1318, 0.0984, 0.1836



13.1318, 0.2867, 0.1692

Rectangle

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



13.1318, 0.5803, 0.3774



13.1318, 0.4411, 0.5430



13.1318, 0.0984, 0.1836



13.1318, 0.1529, 0.1386

Sweetspot

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



13.1326, 0.5803, 0.3774



55.5250, 0.3717, 0.3575



10.7189, 0.4335, 0.2162



11.6668, 0.3820, 0.3616



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1326, 0.5803, 0.3774



23.4153, 0.5833, 0.3750



31.6928, 0.4484, 0.4822



8.9887, 0.3278, 0.3372



9.5050, 0.5783, 0.3790



0.4121, 0.5247, 0.4216

Inverse Universe

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



15.2534, 0.1909, 0.2072



27.2066, 0.1903, 0.2049



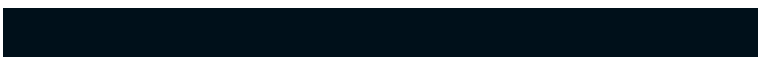
3.9863, 0.1535, 0.0727



9.1073, 0.2986, 0.3206



11.0347, 0.1913, 0.2087



0.4529, 0.2017, 0.2461

Previews

White Background



This preview shows how the Yxy color 13.1318, 0.5803, 0.3774 looks on a white 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

Black Background



This preview shows how the Yxy color 13.1318, 0.5803, 0.3774 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1318, 0.5803, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 13.1318, 0.5803, 0.3774.



This preview shows how white text looks on a background with the Yxy color 13.1318, 0.5803, 0.3774.

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

13.1318, 0.5803, 0.3774

Protanopia

13.3890, 0.4305, 0.4792

Deuteranopia

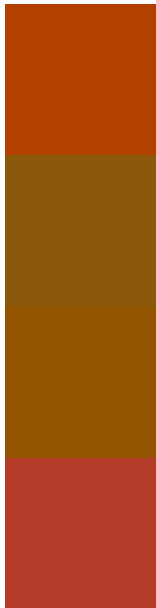
13.2165, 0.4694, 0.4655



Tritanopia

13.1743, 0.5222, 0.3260

Trichromacy



Original Color

13.1318, 0.5803, 0.3774

Protanomaly

12.5722, 0.4920, 0.4383

Deuteranomaly

12.7000, 0.5158, 0.4287

Tritanomaly

13.0744, 0.5555, 0.3518

Monochromacy



Original Color

13.1318, 0.5803, 0.3774

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4013, 0.4293, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1318, 0.5803, 0.3774 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(178, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 64, 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(178, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 64, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1318, 0.5803, 0.3774 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(178, 64, 0) }
```

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

```
.border{ border-color:rgb(178, 64, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 64, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1318, 0.5803, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 64, 0) }
```

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

```
.background{ background-color: rgb(178, 64,  
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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