

Converting Colors

$Y_{xy}(13.1323, 0.5814, 0.3765)$

Have a look what the booklet for
Yxy(13.1323, 0.5814, 0.3765)
contains.

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Color

Yxy(13.0200, 0.5819, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	B23F00
RGB	178, 63, 0
RGB Percent	70%, 25%, 0%
CMY	0.3019, 0.7530, 1.0000
CMYK	0.00, 0.65, 1.00, 0.30
HSL	21°, 100%, 35%
HSV	21°, 100%, 70%
XYZ	20.1391, 13.0200, 1.4501
YIQ	90.2030, 88.7630, 4.7870

Conversions

Conversions Part 2

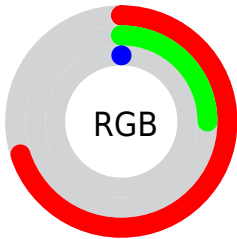
Format	Color
R_{YB}	178, 98, 0
Decimal	11681536
CIE _{Lab}	42.79, 44.66, 53.96
CIE _{LCh}	43, 70.047, 50.385
Yxy	13.0200, 0.5819, 0.3762
Android (android.graphics.Color)	4289871616 (0xFFB23F00)
YUV	90.2030, -44.4701, 76.9980
Hunter-Lab	36.0832, 36.4805, 22.8755

Details

The Yxy color **13.0200, 0.5819, 0.3762** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.4789, 0.1914, 0.2091**, and the grayscale version is **10.3595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2478, 0.5267, 0.3817**, and **3.7819, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.0209, 0.5819, 0.3762**, and if you desaturate by 10%, it is **14.4736, 0.5561, 0.3841**.

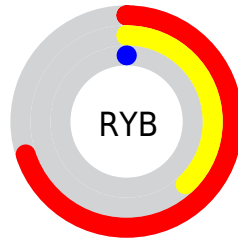
Distribution



Red (70%)

Green (25%)

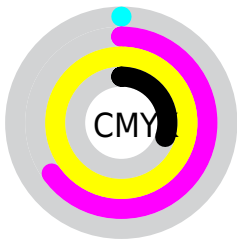
Blue (0%)



Red (70%)

Yellow (38%)

Blue (0%)

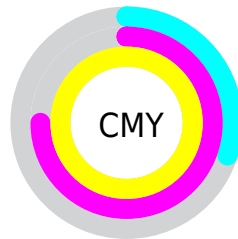


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0200, 0.5819, 0.3762 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 13.0200, 0.5819, 0.3762 by changing the saturation by 10% instead.


 13.0200, 0.5819,
0.3762


 13.0200, 0.5819,
0.3762


 211.0458, 0.4309,
0.3705


 7.4423, 0.6232,
0.3679


 31.3397, 0.5265,
0.3823


 3.7402, 0.6591,
0.3409

 44.8505, 0.5053,
0.3818


 1.5293, 0.7050,
0.2950

 61.7745, 0.4876,
0.3803

 0.3092, 0.8299,
0.1701

 82.4961, 0.4726,
0.3785


 0.0000, 1.0000,
0.0000


 107.3996, 0.4598,
0.3764


 0.0000, 0.0000,
0.0000


 136.8694, 0.4488,


0.3744


 171.2901, 0.4393,
0.3724

 13.0200, 0.5819,
0.3762


 13.0200, 0.5819,
0.3762

 13.0209, 0.5819,
0.3762

 14.4736, 0.5561,
0.3841

 16.2467, 0.5256,
0.3881

 18.3692, 0.4919,
0.3872

 20.8615, 0.4579,
0.3825

 23.7419, 0.4256,
0.3751

■ 27.0274, 0.3964,
0.3661

■ 30.7340, 0.3705,
0.3566

■ 34.8765, 0.3482,
0.3470

■ 39.4691, 0.3290,
0.3377

Harmonies

Analogous

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



13.0200, 0.5623, 0.2964



13.0200, 0.5819, 0.3762



13.0200, 0.5149, 0.4731

Triad

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



13.0200, 0.5819, 0.3762



13.0200, 0.1726, 0.4718



13.0200, 0.1758, 0.1404

Complementary

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



13.0200, 0.5819, 0.3762



15.4789, 0.1914, 0.2091

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.



13.0200, 0.1178, 0.1429



13.0200, 0.5819, 0.3762



13.0200, 0.1115, 0.2885

Square

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



13.0200, 0.5819, 0.3762



13.0200, 0.2802, 0.6046



13.0200, 0.0975, 0.1835



13.0200, 0.2850, 0.1680

Rectangle

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



13.0200, 0.5819, 0.3762



13.0200, 0.4427, 0.5430



13.0200, 0.0975, 0.1835



13.0200, 0.1515, 0.1377

Sweetspot

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



13.0209, 0.5819, 0.3762



55.3594, 0.3718, 0.3571



10.7202, 0.4335, 0.2162



11.6268, 0.3822, 0.3611



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.



13.0209, 0.5819, 0.3762



23.2173, 0.5848, 0.3738



31.6987, 0.4484, 0.4822



8.9810, 0.3279, 0.3371



9.4243, 0.5798, 0.3778



0.4090, 0.5259, 0.4207

Inverse Universe

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



15.4789, 0.1914, 0.2091



27.6186, 0.1908, 0.2069



3.9850, 0.1535, 0.0726



9.1153, 0.2986, 0.3208



11.1958, 0.1919, 0.2106



0.4572, 0.2021, 0.2475

Previews

White Background



This preview shows how the Yxy color 13.0200, 0.5819, 0.3762 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 13.0200, 0.5819, 0.3762 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 13.0200, 0.5819, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 13.0200, 0.5819, 0.3762.



This preview shows how white text looks on a background with the Yxy color 13.0200, 0.5819, 0.3762.

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

13.0200, 0.5819, 0.3762

Protanopia

13.1913, 0.4321, 0.4777

Deuteranopia

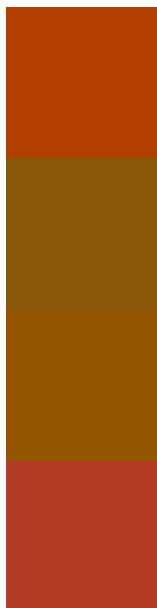
13.2165, 0.4694, 0.4655



Tritanopia

13.0594, 0.5249, 0.3261

Trichromacy



Original Color

13.0200, 0.5819, 0.3762

Protanomaly

12.4069, 0.4939, 0.4367

Deuteranomaly

12.7000, 0.5158, 0.4287

Tritanomaly

12.9619, 0.5580, 0.3515

Monochromacy



Original Color

13.0200, 0.5819, 0.3762

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1703, 0.4305, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0200, 0.5819, 0.3762 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, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 63, 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, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0200, 0.5819, 0.3762 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, 63, 0) }
```

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

```
.border{ border-color:rgb(178, 63, 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, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0200, 0.5819, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 63, 0) }
```

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

```
.background{ background-color: rgb(178, 63,  
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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