

Converting Colors

$Y_{xy}(13.2119, 0.6080, 0.3554)$

Have a look what the booklet for
Yxy(13.2119, 0.6080, 0.3554)
contains.

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Color

Yxy(13.1903, 0.6078, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	BF3000
RGB	191, 48, 0
RGB Percent	75%, 19%, 0%
CMY	0.2509, 0.8118, 1.0000
CMYK	0.00, 0.75, 1.00, 0.25
HSL	15°, 100%, 37%
HSV	15°, 100%, 75%
XYZ	22.5452, 13.1903, 1.3576
YIQ	85.2850, 100.6360, 15.3880

Conversions

Conversions Part 2

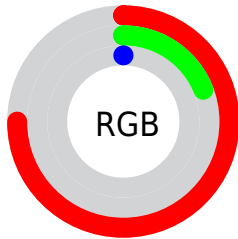
Format	Color
R_{YB}	191, 64, 0
Decimal	12529664
CIE Lab	43.05, 54.99, 55.43
CIE LCh	43, 78.080, 45.229
Yxy	13.1903, 0.6078, 0.3556
Android (android.graphics.Color)	4290719744 (0xFFBF3000)
YUV	85.2850, -42.0455, 92.7121
Hunter-Lab	36.3185, 47.2490, 23.2066

Details

The Yxy color **13.1903, 0.6078, 0.3556** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **23.4133, 0.2015, 0.2453**, and the grayscale version is **9.2209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6390, 0.5471, 0.3685**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1911, 0.6078, 0.3556**, and if you desaturate by 10%, it is **14.6025, 0.5814, 0.3636**.

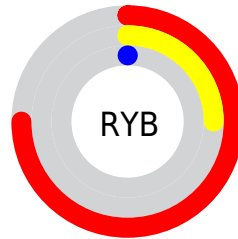
Distribution



Red (75%)

Green (19%)

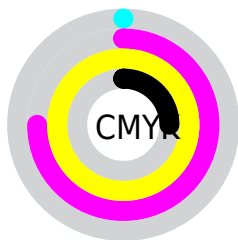
Blue (0%)



Red (75%)

Yellow (25%)

Blue (0%)

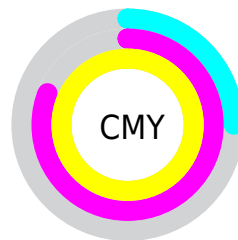


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (81%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1903, 0.6078, 0.3556 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 13.1903, 0.6078, 0.3556 by changing the saturation by 10% instead.


 13.1903, 0.6078,
0.3556


 13.1903, 0.6078,
0.3556


 212.1337, 0.4436,
0.3648


 7.5597, 0.6522,
0.3429


 31.6452, 0.5481,
0.3681


 3.8145, 0.6894,
0.3106

 45.2384, 0.5252,
0.3698


 1.5704, 0.7391,
0.2609

 62.2545, 0.5058,
0.3700

 0.3375, 0.8531,
0.1469

 83.0780, 0.4894,
0.3695


 0.0000, 1.0000,
0.0000


 108.0933, 0.4754,
0.3685


 0.0000, 0.0000,
0.0000


 137.6848, 0.4633,


0.3674

 172.2367, 0.4528,
0.3661

 13.1903, 0.6078,
0.3556

 13.1903, 0.6078,
0.3556

 13.1911, 0.6078,
0.3556

 14.6025, 0.5814,
0.3636

 16.4705, 0.5476,
0.3686

 18.8410, 0.5093,
0.3695

 21.7492, 0.4704,
0.3670

 25.2267, 0.4339,
0.3620

■ 29.3027, 0.4013,
0.3557

■ 34.0040, 0.3732,
0.3488

■ 39.3561, 0.3494,
0.3419

■ 45.3828, 0.3294,
0.3353

Harmonies

Analogous

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



13.1903, 0.5710, 0.2760



13.1903, 0.6078, 0.3556



13.1903, 0.5437, 0.4563

Triad

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



13.1903, 0.6078, 0.3556



13.1903, 0.1743, 0.5270



13.1903, 0.1511, 0.1260

Complementary

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



13.1903, 0.6078, 0.3556



23.4133, 0.2015, 0.2453

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.



13.1903, 0.0993, 0.1334



13.1903, 0.6078, 0.3556



13.1903, 0.1030, 0.3106

Square

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



13.1903, 0.6078, 0.3556



13.1903, 0.2915, 0.6407



13.1903, 0.0837, 0.1828



13.1903, 0.2564, 0.1494

Rectangle

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



13.1903, 0.6078, 0.3556



13.1903, 0.4661, 0.5339



13.1903, 0.0837, 0.1828



13.1903, 0.1289, 0.1249

Sweetspot

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



13.1911, 0.6078, 0.3556



60.4672, 0.3744, 0.3492



13.0689, 0.3965, 0.1958



12.4633, 0.3860, 0.3521



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.1911, 0.6078, 0.3556



23.2990, 0.6103, 0.3536



30.8007, 0.4718, 0.4636



9.9155, 0.3282, 0.3348



8.7782, 0.6055, 0.3574



0.4520, 0.5573, 0.3957

Inverse Universe

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



23.4133, 0.2015, 0.2453



41.5204, 0.2011, 0.2439



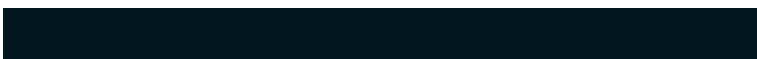
5.8559, 0.1579, 0.0885



10.3925, 0.2985, 0.3231



15.5181, 0.2018, 0.2466



0.7061, 0.2079, 0.2686

Previews

White Background



This preview shows how the Yxy color 13.1903, 0.6078, 0.3556 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 13.1903, 0.6078, 0.3556 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 13.1903, 0.6078, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 13.1903, 0.6078, 0.3556.



This preview shows how white text looks on a background with the Yxy color 13.1903, 0.6078, 0.3556.

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

13.1903, 0.6078, 0.3556

Protanopia

13.4714, 0.4297, 0.4746

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.2805, 0.5738, 0.3289

Trichromacy



Original Color

13.1903, 0.6078, 0.3556

Protanomaly

12.0579, 0.5081, 0.4225

Deuteranomaly

12.4127, 0.5309, 0.4166

Tritanomaly

13.2492, 0.5927, 0.3424

Monochromacy



Original Color

13.1903, 0.6078, 0.3556

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.1862, 0.4491, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1903, 0.6078, 0.3556 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(191, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 48, 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(191, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 48, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1903, 0.6078, 0.3556 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(191, 48, 0) }
```

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

```
.border{ border-color:rgb(191, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 48, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1903, 0.6078, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 48, 0) }
```

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

```
.background{ background-color: rgb(191, 48,  
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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