

Converting Colors

$Y_{xy}(13.0785, 0.6099, 0.3540)$

Have a look what the booklet for
Yxy(13.0785, 0.6099, 0.3540)
contains.

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Color

Yxy(13.0304, 0.6100, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	BF2E00
RGB	191, 46, 0
RGB Percent	75%, 18%, 0%
CMY	0.2510, 0.8195, 1.0000
CMYK	0.00, 0.76, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.4599, 13.0304, 1.3292
YIQ	84.1110, 101.1860, 16.4340

Conversions

Conversions Part 2

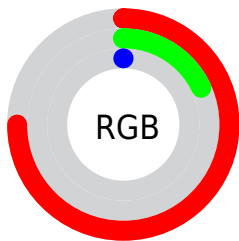
Format	Color
R_{YB}	191, 61, 0
Decimal	12529152
CIE _{Lab}	42.81, 55.63, 55.34
CIE _{LCh}	43, 78.472, 44.851
Yxy	13.0304, 0.6100, 0.3539
Android (android.graphics.Color)	4290719232 (0xFFBF2E00)
YUV	84.1110, -41.4667, 93.7417
Hunter-Lab	36.0976, 47.8913, 23.0852

Details

The Yxy color **13.0304, 0.6100, 0.3539** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **23.9955, 0.2025, 0.2489**, and the grayscale version is **8.9653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2268, 0.5498, 0.3672**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.0314, 0.6100, 0.3539**, and if you desaturate by 10%, it is **14.4096, 0.5836, 0.3618**.

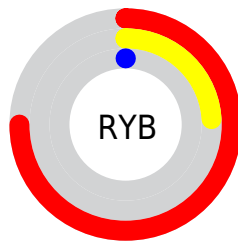
Distribution



Red (75%)

Green (18%)

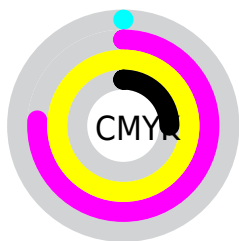
Blue (0%)



Red (75%)

Yellow (24%)

Blue (0%)

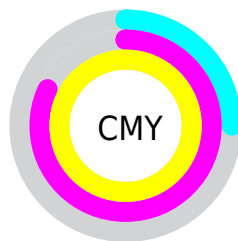


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0304, 0.6100, 0.3539 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 13.0304, 0.6100, 0.3539 by changing the saturation by 10% instead.


 13.0304, 0.6100,
0.3539


 13.0304, 0.6100,
0.3539


 211.1124, 0.4444,
0.3643


 7.4495, 0.6551,
0.3410


 31.3584, 0.5498,
0.3670


 3.7448, 0.6922,
0.3078

 44.8742, 0.5266,
0.3688

 1.5318, 0.7426,
0.2574

 61.8039, 0.5071,
0.3692

 0.3110, 0.8620,
0.1380

 82.5317, 0.4906,
0.3687


 0.0000, 1.0000,
0.0000


 107.4420, 0.4764,
0.3679


 0.0000, 0.0000,
0.0000


 136.9193, 0.4642,


0.3668


 171.3480, 0.4536,
0.3655

 13.0304, 0.6100,
0.3539


 13.0304, 0.6100,
0.3539


 13.0314, 0.6100,
0.3539

 14.4096, 0.5836,
0.3618

 16.2515, 0.5496,
0.3668

 18.6047, 0.5109,
0.3678

 21.5057, 0.4715,
0.3654

 24.9873, 0.4346,
0.3607

■ 29.0795, 0.4018,
0.3547

■ 33.8105, 0.3734,
0.3481

■ 39.2064, 0.3495,
0.3414

■ 45.2919, 0.3294,
0.3350

Harmonies

Analogous

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



13.0304, 0.5718, 0.2743



13.0304, 0.6100, 0.3539



13.0304, 0.5455, 0.4545

Triad

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



13.0304, 0.6100, 0.3539



13.0304, 0.1743, 0.5318



13.0304, 0.1492, 0.1248

Complementary

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



13.0304, 0.6100, 0.3539



23.9955, 0.2025, 0.2489

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.



13.0304, 0.0978, 0.1326



13.0304, 0.6100, 0.3539



13.0304, 0.1022, 0.3124

Square

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



13.0304, 0.6100, 0.3539



13.0304, 0.2921, 0.6435



13.0304, 0.0826, 0.1827



13.0304, 0.2542, 0.1479

Rectangle

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



13.0304, 0.6100, 0.3539



13.0304, 0.4675, 0.5325



13.0304, 0.0826, 0.1827



13.0304, 0.1272, 0.1238

Sweetspot

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



13.0314, 0.6100, 0.3539



60.1364, 0.3747, 0.3484



13.1629, 0.3906, 0.1925



12.3848, 0.3863, 0.3512



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.



13.0314, 0.6100, 0.3539



23.0304, 0.6124, 0.3519



29.8468, 0.4760, 0.4602



9.8998, 0.3282, 0.3346



8.6726, 0.6077, 0.3557



0.4453, 0.5598, 0.3937

Inverse Universe

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



23.9955, 0.2025, 0.2489



42.5861, 0.2021, 0.2476



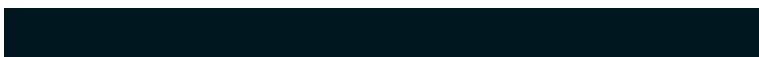
6.1224, 0.1589, 0.0919



10.4092, 0.2985, 0.3233



15.9024, 0.2028, 0.2501



0.7185, 0.2087, 0.2712

Previews

White Background



This preview shows how the Yxy color 13.0304, 0.6100, 0.3539 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 13.0304, 0.6100, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

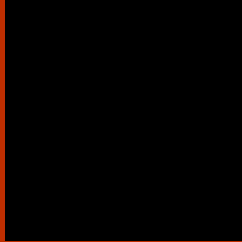
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0304, 0.6100, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 13.0304, 0.6100, 0.3539.



This preview shows how white text looks on a background with the Yxy color 13.0304, 0.6100, 0.3539.

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

13.0304, 0.6100, 0.3539

Protanopia

13.2055, 0.4297, 0.4742

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.1161, 0.5783, 0.3290

Trichromacy



Original Color

13.0304, 0.6100, 0.3539

Protanomaly

11.9059, 0.5100, 0.4210

Deuteranomaly

12.1242, 0.5347, 0.4136

Tritanomaly

13.0917, 0.5956, 0.3413

Monochromacy



Original Color

13.0304, 0.6100, 0.3539

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.8483, 0.4519, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0304, 0.6100, 0.3539 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, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 46, 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, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 46, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0304, 0.6100, 0.3539 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, 46, 0) }
```

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

```
.border{ border-color:rgb(191, 46, 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, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 46, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0304, 0.6100, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 46, 0) }
```

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

```
.background{ background-color: rgb(191, 46,  
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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