

Converting Colors

$Y_{xy}(11.7314, 0.6299, 0.3380)$

Have a look what the booklet for
Yxy(11.7314, 0.6299, 0.3380)
contains.

Yxy(11.6892, 0.6300, 0.3379)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.6892, 0.6300, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	BF1700
RGB	191, 23, 0
RGB Percent	75%, 9%, 0%
CMY	0.2510, 0.9098, 0.9996
CMYK	0.00, 0.88, 1.00, 0.25
HSL	7°, 100%, 37%
HSV	7°, 100%, 75%
XYZ	21.7940, 11.6892, 1.1105
YIQ	70.6100, 107.5110, 28.4630

Conversions

Conversions Part 2

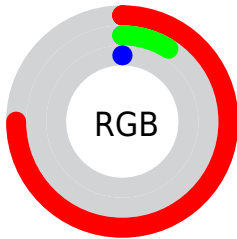
Format	Color
RYB	191, 26, 0
Decimal	12523264
CIELab	40.72, 61.56, 54.42
CIElCh	41, 82.164, 41.475
Yxy	11.6892, 0.6300, 0.3379
Android (android.graphics.Color)	4290713344 (0xFFBF1700)
YUV	70.6100, -34.8107, 105.5820
Hunter-Lab	34.1895, 53.9529, 22.0069

Details

The Yxy color **11.6892, 0.6300, 0.3379** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **31.8099, 0.2141, 0.2907**, and the grayscale version is **6.2796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6527, 0.5646, 0.3561**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6862, 0.6301, 0.3379**, and if you desaturate by 10%, it is **12.6293, 0.6064, 0.3425**.

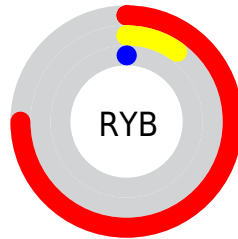
Distribution



Red (75%)

Green (9%)

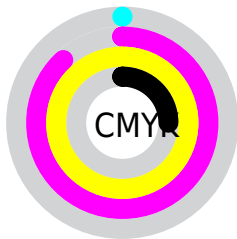
Blue (0%)



Red (75%)

Yellow (10%)

Blue (0%)

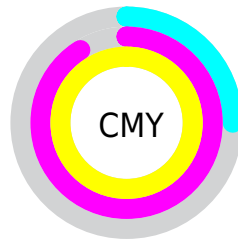


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6892, 0.6300, 0.3379 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 11.6892, 0.6300, 0.3379 by changing the saturation by 10% instead.


 11.6892, 0.6300,
0.3379

 11.6892, 0.6300,
0.3379


 202.3367, 0.4514,
0.3594


 6.5324, 0.6791,
0.3209


 28.9278, 0.5648,
0.3561

 3.1714, 0.7181,
0.2819


 41.7783, 0.5398,
0.3595


 1.2219, 0.7745,
0.2255

 57.9623, 0.5188,
0.3611

 0.0795, 0.9580,
0.0420

 77.8640, 0.5009,
0.3616

 0.0000, 1.0000,
0.0000


 101.8680, 0.4857,
0.3614

 0.0000, 0.0000,
0.0000

 130.3584, 0.4726,

0.3609


 163.7199, 0.4613,
0.3602


 11.6892, 0.6300,
0.3379


 11.6892, 0.6300,
0.3379

 11.6862, 0.6301,
0.3379

 12.6293, 0.6064,
0.3425

 14.1073, 0.5715,
0.3462

 16.1977, 0.5289,
0.3476

 18.9580, 0.4848,
0.3470

 22.4392, 0.4433,
0.3449

■ 26.6872, 0.4068,
0.3419

■ 31.7441, 0.3760,
0.3386

■ 37.6491, 0.3505,
0.3352

■ 44.4385, 0.3297,
0.3320

Harmonies

Analogous

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



11.6892, 0.5782, 0.2589



11.6892, 0.6300, 0.3379



11.6892, 0.5631, 0.4369

Triad

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



11.6892, 0.6300, 0.3379



11.6892, 0.1738, 0.5782



11.6892, 0.1318, 0.1142

Complementary

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



11.6892, 0.6300, 0.3379



31.8099, 0.2141, 0.2907

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.



11.6892, 0.0848, 0.1251



11.6892, 0.6300, 0.3379



11.6892, 0.0950, 0.3314

Square

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



11.6892, 0.6300, 0.3379



11.6892, 0.2981, 0.6674



11.6892, 0.0723, 0.1817



11.6892, 0.2332, 0.1343

Rectangle

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



11.6892, 0.6300, 0.3379



11.6892, 0.4808, 0.5192



11.6892, 0.0723, 0.1817



11.6892, 0.1114, 0.1142

Sweetspot

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



11.6899, 0.6300, 0.3379



56.3342, 0.3775, 0.3388



13.9340, 0.3528, 0.1717



11.4891, 0.3901, 0.3402



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.



11.6899, 0.6300, 0.3379



20.7493, 0.6317, 0.3366



23.9933, 0.5072, 0.4354



9.7157, 0.3285, 0.3318



7.7436, 0.6285, 0.3391



0.3648, 0.5948, 0.3659

Inverse Universe

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



31.8099, 0.2141, 0.2907



56.7187, 0.2139, 0.2900



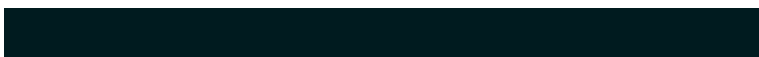
8.5647, 0.1670, 0.1211



10.6089, 0.2985, 0.3262



20.9783, 0.2142, 0.2912



0.8775, 0.2170, 0.3011

Previews

White Background



This preview shows how the Yxy color 11.6892, 0.6300, 0.3379 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 11.6892, 0.6300, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

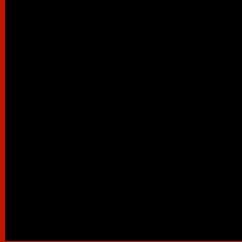
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6892, 0.6300, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 11.6892, 0.6300, 0.3379.



This preview shows how white text looks on a background with the Yxy color 11.6892, 0.6300, 0.3379.

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

11.6892, 0.6300, 0.3379

Protanopia

12.1163, 0.4265, 0.4714

Deuteranopia

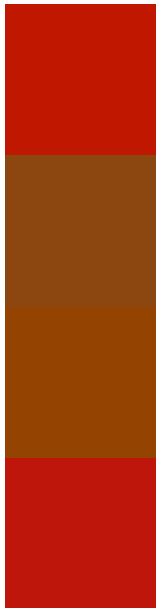
12.0397, 0.4682, 0.4665



Tritanopia

11.6907, 0.6214, 0.3321

Trichromacy



Original Color

11.6892, 0.6300, 0.3379

Protanomaly

10.0299, 0.5254, 0.4057

Deuteranomaly

10.4301, 0.5498, 0.4016

Tritanomaly

11.6743, 0.6251, 0.3343

Monochromacy



Original Color

11.6892, 0.6300, 0.3379

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.4726, 0.4765, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6892, 0.6300, 0.3379 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, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 23, 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, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 23, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6892, 0.6300, 0.3379 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, 23, 0) }
```

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

```
.border{ border-color:rgb(191, 23, 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, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 23, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6892, 0.6300, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 23, 0) }
```

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

```
.background{ background-color: rgb(191, 23,  
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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