

Converting Colors

$Yxy(11.8305, 0.6168, 0.3385)$

Have a look what the booklet for
Yxy(11.8305, 0.6168, 0.3385)
contains.

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Color

Yxy(11.8305, 0.6168, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	BD1F0E
RGB	189, 31, 14
RGB Percent	74%, 12%, 5%
CMY	0.2588, 0.8784, 0.9452
CMYK	0.00, 0.84, 0.93, 0.26
HSL	6°, 86%, 40%
HSV	6°, 93%, 74%
XYZ	21.5570, 11.8305, 1.5623
YIQ	76.3040, 99.6250, 28.2090

Conversions

Conversions Part 2

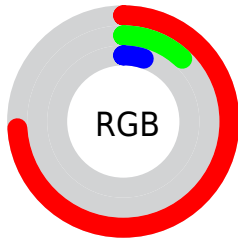
Format	Color
R_{YB}	189, 33, 14
Decimal	12394254
CIE Lab	40.95, 59.47, 49.58
CIE LCh	41, 77.425, 39.821
Yxy	11.8305, 0.6168, 0.3385
Android (android.graphics.Color)	4290584334 (0xFFBD1F0E)
YUV	76.3040, -30.7159, 98.8344
Hunter-Lab	34.3955, 51.6809, 21.3839

Details

The Yxy color **11.8305, 0.6168, 0.3385** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **33.2720, 0.2179, 0.3006**, and the grayscale version is **7.3294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2473, 0.5521, 0.3537**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2645, 0.6326, 0.3359**, and if you desaturate by 10%, it is **13.0478, 0.5852, 0.3421**.

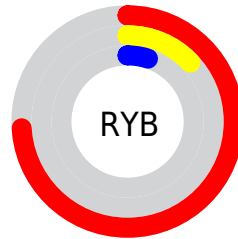
Distribution



Red (74%)

Green (12%)

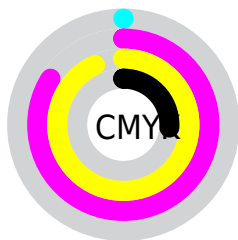
Blue (5%)



Red (74%)

Yellow (13%)

Blue (5%)

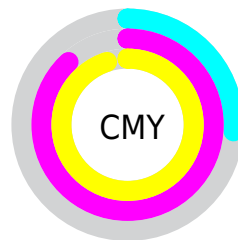


Cyan (0%)

Magenta (84%)

Yellow (93%)

Black (26%)



Cyan (26%)


Magenta (88%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8305, 0.6168, 0.3385 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 11.8305, 0.6168, 0.3385 by changing the saturation by 10% instead.


 11.8305, 0.6168,
0.3385


 11.8305, 0.6168,
0.3385


 203.2799, 0.4426,
0.3558

 6.6284, 0.6644,
0.3227


 29.1860, 0.5516,
0.3538


 3.2308, 0.7112,
0.2888


 42.1082, 0.5271,
0.3565

 1.2534, 0.7667,
0.2333


 58.3725, 0.5068,
0.3577

 0.1047, 0.9441,
0.0559

 78.3633, 0.4897,
0.3580


 0.0000, 1.0000,
0.0000


 102.4651, 0.4752,
0.3578

 0.0000, 0.0000,
0.0000


 131.0622, 0.4627,

0.3573

 164.5390, 0.4520,
0.3566


 11.8305, 0.6168,
0.3385

 11.8305, 0.6168,
0.3385

 11.2645, 0.6326,
0.3359

 13.0478, 0.5852,
0.3421

 14.8606, 0.5438,
0.3439

 17.3336, 0.4989,
0.3439

 20.5224, 0.4556,
0.3425

 24.4765, 0.4170,
0.3402

■ 29.2413, 0.3842,
0.3376

■ 34.8585, 0.3571,
0.3348

■ 41.3669, 0.3349,
0.3321

■ 48.8029, 0.3168,
0.3296

Harmonies

Analogous

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



11.8305, 0.5565, 0.2600



11.8305, 0.6168, 0.3385



11.8305, 0.5644, 0.4356

Triad

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



11.8305, 0.6168, 0.3385



11.8305, 0.1893, 0.5709



11.8305, 0.1353, 0.1216

Complementary

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



11.8305, 0.6168, 0.3385



33.2720, 0.2179, 0.3006

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.



11.8305, 0.0908, 0.1349



11.8305, 0.6168, 0.3385



11.8305, 0.1072, 0.3447

Square

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



11.8305, 0.6168, 0.3385



11.8305, 0.3119, 0.6457



11.8305, 0.0807, 0.1951



11.8305, 0.2306, 0.1397

Rectangle

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



11.8305, 0.6168, 0.3385



11.8305, 0.4880, 0.5120



11.8305, 0.0807, 0.1951



11.8305, 0.1159, 0.1223

Sweetspot

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



11.8312, 0.6168, 0.3385



56.3542, 0.3723, 0.3364



14.2060, 0.3411, 0.1681



11.2277, 0.3847, 0.3376



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.8312, 0.6168, 0.3385



20.0212, 0.6340, 0.3348



23.3612, 0.5044, 0.4313



9.6815, 0.3286, 0.3313



7.6313, 0.6313, 0.3370



0.3497, 0.6024, 0.3599

Inverse Universe

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



33.2720, 0.2179, 0.3006



58.2978, 0.2160, 0.2977



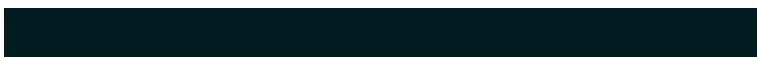
10.5698, 0.1753, 0.1451



10.6467, 0.2985, 0.3267



22.0374, 0.2163, 0.2986



0.9097, 0.2185, 0.3065

Previews

White Background



This preview shows how the Yxy color 11.8305, 0.6168, 0.3385 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 11.8305, 0.6168, 0.3385 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 11.8305, 0.6168, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 11.8305, 0.6168, 0.3385.



This preview shows how white text looks on a background with the Yxy color 11.8305, 0.6168, 0.3385.

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

11.8305, 0.6168, 0.3385

Protanopia

12.1391, 0.4225, 0.4654

Deuteranopia

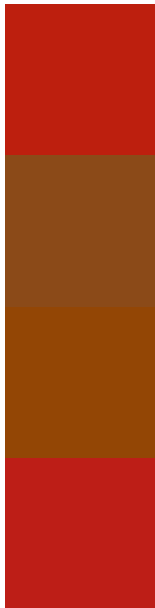
12.0397, 0.4682, 0.4665



Tritanopia

11.8312, 0.6062, 0.3311

Trichromacy



Original Color

11.8305, 0.6168, 0.3385

Protanomaly

10.4525, 0.5121, 0.4036

Deuteranomaly

10.5943, 0.5422, 0.4031

Tritanomaly

11.8092, 0.6109, 0.3339

Monochromacy



Original Color

11.8305, 0.6168, 0.3385

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.2707, 0.4541, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8305, 0.6168, 0.3385 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(189, 31, 14)` looks like.

```
.text, #text, p{  
    color:rgb(189, 31, 14)  
}
```

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(189, 31, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 31, 14) }
```

Border

The CSS property to change the border of an element to Yxy 11.8305, 0.6168, 0.3385 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(189, 31, 14) }
```

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

```
.border{ border-color:rgb(189, 31, 14) }
```

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

Here you see how a box with a 4 pixel rgb(189, 31, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 31, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 31, 14);  
box-shadow:4px 4px 4px 4px rgb(189, 31,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8305, 0.6168, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 31, 14) }
```

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

```
.background{ background-color: rgb(189, 31,  
14) }
```

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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