

Converting Colors

$Y_{xy}(12.0791, 0.6019, 0.3305)$

Have a look what the booklet for
Yxy(12.0791, 0.6019, 0.3305)
contains.

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Color

Yxy(12.0791, 0.6019, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	BE201F
RGB	190, 32, 31
RGB Percent	75%, 13%, 12%
CMY	0.2549, 0.8744, 0.8783
CMYK	0.00, 0.83, 0.84, 0.25
HSL	0°, 72%, 43%
HSV	0°, 84%, 75%
XYZ	21.9982, 12.0791, 2.4706
YIQ	79.1280, 94.4890, 33.1850

Conversions

Conversions Part 2

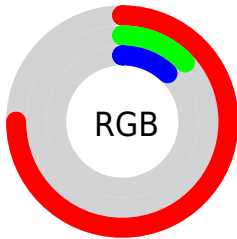
Format	Color
R_{YB}	190, 32, 31
Decimal	12460063
CIE Lab	41.34, 59.82, 42.24
CIE LCh	41, 73.236, 35.227
Yxy	12.0791, 0.6019, 0.3305
Android (android.graphics.Color)	4290650143 (0xFFBE201F)
YUV	79.1280, -23.7271, 97.2347
Hunter-Lab	34.7550, 52.1605, 20.1137

Details

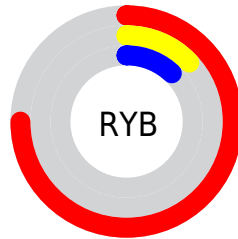
The Yxy color **12.0791, 0.6019, 0.3305** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **40.4040, 0.2272, 0.3272**, and the grayscale version is **7.8809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6121, 0.5366, 0.3438**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2645, 0.6289, 0.3303**, and if you desaturate by 10%, it is **13.5364, 0.5614, 0.3306**.

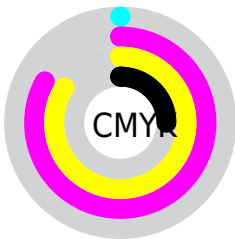
Distribution



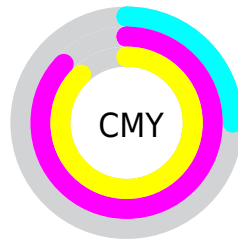
- Red (75%)
- Green (13%)
- Blue (12%)



- Red (75%)
- Yellow (13%)
- Blue (12%)



- Cyan (0%)
- Magenta (83%)
- Yellow (84%)
- Black (25%)





- Cyan (25%)
- Magenta (87%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0791, 0.6019, 0.3305 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 12.0791, 0.6019, 0.3305 by changing the saturation by 10% instead.


 12.0791, 0.6019,
0.3305


 12.0791, 0.6019,
0.3305


204.9283, 0.4329,
0.3477


 6.7976, 0.6470,
0.3148


 29.6391, 0.5365,
0.3440


 3.3358, 0.7104,
0.2896

 42.6863, 0.5128,
0.3466

 1.3095, 0.7651,
0.2349

 59.0909, 0.4933,
0.3479

 0.1485, 0.9258,
0.0742

 79.2373, 0.4771,
0.3485


 0.0000, 1.0000,
0.0000


 103.5098, 0.4634,
0.3486


 0.0000, 0.0000,
0.0000

 132.2929, 0.4517,

0.3484


 165.9709, 0.4417,
0.3481

 12.0791, 0.6019,
0.3305


 12.0791, 0.6019,
0.3305

 11.2645, 0.6289,
0.3303


 13.5364, 0.5614,
0.3306

 10.9720, 0.6396,
0.3303

 15.7302, 0.5144,
0.3305

 18.7411, 0.4678,
0.3303

 22.6387, 0.4258,
0.3301

 27.4852, 0.3902,
0.3298

■ 33.3372, 0.3610,
0.3295

■ 40.2468, 0.3375,
0.3293

■ 48.2627, 0.3186,
0.3291

■ 57.4302, 0.3036,
0.3289

Harmonies

Analogous

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



12.0791, 0.5230, 0.2533



12.0791, 0.6019, 0.3305



12.0791, 0.5678, 0.4205

Triad

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



12.0791, 0.6019, 0.3305



12.0791, 0.2148, 0.5786



12.0791, 0.1330, 0.1292

Complementary

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



12.0791, 0.6019, 0.3305



40.4040, 0.2272, 0.3272

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.



12.0791, 0.0948, 0.1485



12.0791, 0.6019, 0.3305



12.0791, 0.1253, 0.3763

Square

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



12.0791, 0.6019, 0.3305



12.0791, 0.3369, 0.6219



12.0791, 0.0904, 0.2184



12.0791, 0.2171, 0.1423

Rectangle

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



12.0791, 0.6019, 0.3305



12.0791, 0.5056, 0.4944



12.0791, 0.0904, 0.2184



12.0791, 0.1160, 0.1316

Sweetspot

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



12.0799, 0.6019, 0.3305



58.4377, 0.3656, 0.3296



15.6454, 0.3206, 0.1617



11.9822, 0.3757, 0.3297



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.



12.0799, 0.6019, 0.3305



19.8714, 0.6398, 0.3302



22.3083, 0.5059, 0.4162



9.5457, 0.3288, 0.3292



7.3007, 0.6395, 0.3304



0.2893, 0.6374, 0.3321

Inverse Universe

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



40.4040, 0.2272, 0.3272



72.5289, 0.2241, 0.3268



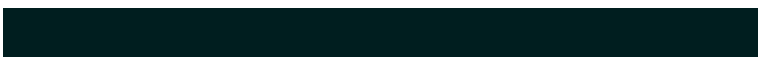
15.2721, 0.1898, 0.1871



10.7990, 0.2985, 0.3288



26.6237, 0.2241, 0.3269



1.0462, 0.2243, 0.3273

Previews

White Background



This preview shows how the Yxy color 12.0791, 0.6019, 0.3305 looks on a white background.

Color Contrast Check

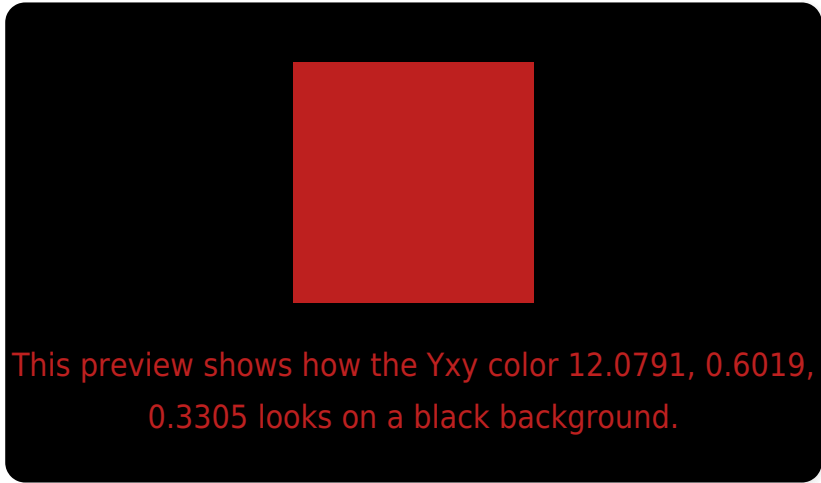
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.0791, 0.6019, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 12.0791, 0.6019, 0.3305.



This preview shows how white text looks on a background with the Yxy color 12.0791, 0.6019, 0.3305.

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

12.0791, 0.6019, 0.3305

Protanopia

12.3883, 0.3996, 0.4380

Deuteranopia

12.3873, 0.4649, 0.4601



Tritanopia

12.0791, 0.6019, 0.3305

Trichromacy



Original Color

12.0791, 0.6019, 0.3305

Protanomaly

10.6026, 0.4870, 0.3849

Deuteranomaly

10.9397, 0.5346, 0.3963

Tritanomaly

12.0791, 0.6019, 0.3305

Monochromacy



Original Color

12.0791, 0.6019, 0.3305

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.7150, 0.4354, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0791, 0.6019, 0.3305 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(190, 32, 31)` looks like.

```
.text, #text, p{  
    color:rgb(190, 32, 31)  
}
```

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(190, 32, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 32, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.0791, 0.6019, 0.3305 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(190, 32, 31) }
```

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

```
.border{ border-color:rgb(190, 32, 31) }
```

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

Here you see how a box with a 4 pixel rgb(190, 32, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 32, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 32, 31);  
box-shadow:4px 4px 4px 4px rgb(190, 32,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0791, 0.6019, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 32, 31) }
```

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

```
.background{ background-color: rgb(190, 32,  
31) }
```

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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