

Converting Colors

$Y_{xy}(12.1948, 0.6393, 0.3306)$

Have a look what the booklet for
Yxy(12.1948, 0.6393, 0.3306)
contains.

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Color

Yxy(12.1855, 0.6394, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	C70200
RGB	199, 2, 0
RGB Percent	78%, 1%, 0%
CMY	0.2196, 0.9920, 1.0000
CMYK	0.00, 0.99, 1.00, 0.22
HSL	1°, 100%, 39%
HSV	1°, 100%, 78%
XYZ	23.5746, 12.1855, 1.1098
YIQ	60.6750, 118.0540, 41.1420

Conversions

Conversions Part 2

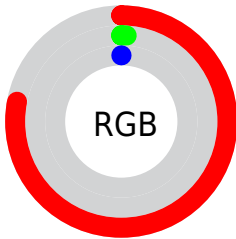
Format	Color
RYB	199, 2, 0
Decimal	13042176
CIELab	41.51, 66.27, 55.79
CIElCh	42, 86.624, 40.095
Yxy	12.1855, 0.6394, 0.3305
Android (android.graphics.Color)	4291232256 (0xFFC70200)
YUV	60.6750, -29.9128, 121.3110
Hunter-Lab	34.9077, 59.4598, 22.5505

Details

The Yxy color **12.1855, 0.6394, 0.3305** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **44.0375, 0.2238, 0.3256**, and the grayscale version is **4.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8486, 0.5691, 0.3519**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.1861, 0.6394, 0.3305**, and if you desaturate by 10%, it is **12.7561, 0.6212, 0.3307**.

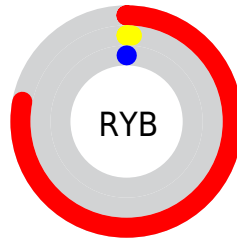
Distribution



Red (78%)

Green (1%)

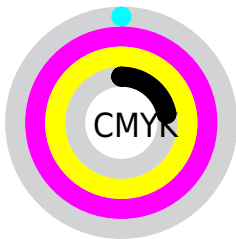
Blue (0%)



Red (78%)

Yellow (1%)

Blue (0%)

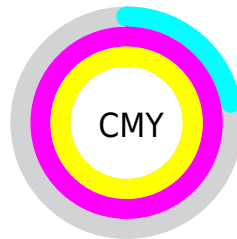


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (99%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1855, 0.6394, 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 12.1855, 0.6394, 0.3305 by changing the saturation by 10% instead.


 12.1855, 0.6394,
0.3305


 12.1855, 0.6394,
0.3305


 205.6295, 0.4574,
0.3574


 6.8701, 0.6879,
0.3121


 29.8325, 0.5737,
0.3508


 3.3810, 0.7270,
0.2730

 42.9329, 0.5483,
0.3550

 1.3337, 0.7826,
0.2174

 59.3972, 0.5268,
0.3572

 0.1671, 0.9283,
0.0717

 79.6097, 0.5085,
0.3583


 0.0000, 1.0000,
0.0000


 103.9547, 0.4929,
0.3586


 0.0000, 0.0000,
0.0000


 132.8168, 0.4794,


0.3584


 166.5803, 0.4677,
0.3580

 12.1855, 0.6394,
0.3305


 12.1855, 0.6394,
0.3305


 12.1861, 0.6394,
0.3305

 12.7561, 0.6212,
0.3307

 13.9102, 0.5887,
0.3310

 15.8170, 0.5451,
0.3311

 18.5752, 0.4974,
0.3310

 22.2684, 0.4520,
0.3307

■ 26.9704, 0.4122,
0.3304

■ 32.7477, 0.3789,
0.3300

■ 39.6608, 0.3519,
0.3296

■ 47.7661, 0.3301,
0.3293

Harmonies

Analogous

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



12.1855, 0.5814, 0.2520



12.1855, 0.6394, 0.3305



12.1855, 0.5711, 0.4289

Triad

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



12.1855, 0.6394, 0.3305



12.1855, 0.1728, 0.6005



12.1855, 0.1242, 0.1094

Complementary

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



12.1855, 0.6394, 0.3305



44.0375, 0.2238, 0.3256

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.



12.1855, 0.0790, 0.1215



12.1855, 0.6394, 0.3305



12.1855, 0.0913, 0.3404

Square

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



12.1855, 0.6394, 0.3305



12.1855, 0.3003, 0.6790



12.1855, 0.0676, 0.1809



12.1855, 0.2239, 0.1282

Rectangle

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



12.1855, 0.6394, 0.3305



12.1855, 0.4869, 0.5131



12.1855, 0.0676, 0.1809



12.1855, 0.1045, 0.1097

Sweetspot

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



12.1863, 0.6394, 0.3305



56.8485, 0.3803, 0.3300



16.2654, 0.3209, 0.1542



11.1988, 0.3938, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.1863, 0.6394, 0.3305



21.3167, 0.6396, 0.3304



21.1613, 0.5414, 0.4083



10.6540, 0.3289, 0.3293



7.8440, 0.6392, 0.3307



0.3776, 0.6361, 0.3331

Inverse Universe

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



44.0375, 0.2238, 0.3256



77.0846, 0.2238, 0.3256



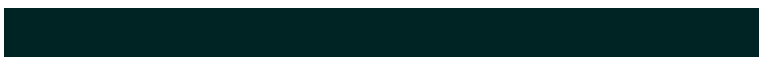
13.1429, 0.1769, 0.1569



12.0482, 0.2984, 0.3287



28.3263, 0.2238, 0.3257



1.3474, 0.2240, 0.3263

Previews

White Background



This preview shows how the Yxy color 12.1855, 0.6394, 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 12.1855, 0.6394, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 12.1855, 0.6394, 0.3305.



This preview shows how white text looks on a background with the Yxy color 12.1855, 0.6394, 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

12.1855, 0.6394, 0.3305

Protanopia

12.8927, 0.4253, 0.4706

Deuteranopia

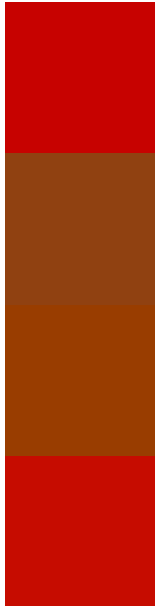
12.6200, 0.4688, 0.4660



Tritanopia

12.3029, 0.6334, 0.3353

Trichromacy



Original Color

12.1855, 0.6394, 0.3305

Protanomaly

9.7504, 0.5409, 0.3909

Deuteranomaly

10.1098, 0.5676, 0.3875

Tritanomaly

12.2687, 0.6360, 0.3332

Monochromacy



Original Color

12.1855, 0.6394, 0.3305

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

5.0436, 0.5049, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1855, 0.6394, 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(199, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 2, 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(199, 2, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 2, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1855, 0.6394, 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(199, 2, 0) }
```

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

```
.border{ border-color:rgb(199, 2, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 2, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(199, 2, 0); box-shadow:4px  
4px 4px 4px rgb(199, 2, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1855, 0.6394, 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(199, 2, 0) }
```

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

```
.background{ background-color: rgb(199, 2,  
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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