

Converting Colors

$Y_{xy}(11.7701, 0.6331, 0.3355)$

Have a look what the booklet for
Yxy(11.7701, 0.6331, 0.3355)
contains.

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Color

Yxy(11.7701, 0.6331, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	C11200
RGB	193, 18, 0
RGB Percent	76%, 7%, 0%
CMY	0.2431, 0.9295, 0.9999
CMYK	0.00, 0.91, 1.00, 0.24
HSL	6°, 100%, 38%
HSV	6°, 100%, 76%
XYZ	22.2106, 11.7701, 1.1016
YIQ	68.2730, 110.0780, 31.5020

Conversions

Conversions Part 2

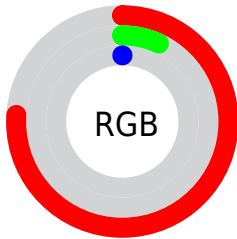
Format	Color
R _Y B	193, 20, 0
Decimal	12653056
CIE Lab	40.85, 62.94, 54.76
CIE LCh	41, 83.423, 41.026
Yxy	11.7701, 0.6331, 0.3355
Android (android.graphics.Color)	4290843136 (0xFFC11200)
YUV	68.2730, -33.6586, 109.3856
Hunter-Lab	34.3076, 55.5219, 22.1116

Details

The Yxy color **11.7701, 0.6331, 0.3355** 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 **34.5250, 0.2165, 0.2995**, and the grayscale version is **5.8682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4874, 0.5655, 0.3552**, and **4.6671, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7704, 0.6331, 0.3355**, and if you desaturate by 10%, it is **12.6178, 0.6108, 0.3390**.

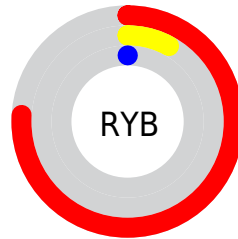
Distribution



Red (76%)

Green (7%)

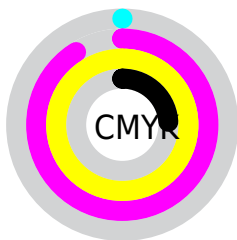
Blue (0%)



Red (76%)

Yellow (8%)

Blue (0%)

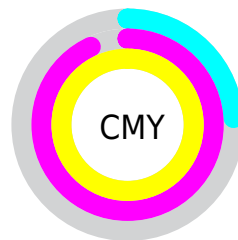


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7701, 0.6331, 0.3355 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 11.7701, 0.6331, 0.3355 by changing the saturation by 10% instead.


 11.7701, 0.6331,
0.3355


 11.7701, 0.6331,
0.3355


 202.8773, 0.4532,
0.3588


 6.5873, 0.6820,
0.3180


 29.0757, 0.5677,
0.3544


 3.2054, 0.7212,
0.2788

 41.9673, 0.5424,
0.3581


 1.2399, 0.7776,
0.2224

 58.1973, 0.5212,
0.3598

 0.0939, 0.9528,
0.0472

 78.1501, 0.5032,
0.3605


 0.0000, 1.0000,
0.0000


 102.2102, 0.4879,
0.3605


 0.0000, 0.0000,
0.0000

 130.7618, 0.4747,

0.3602


 164.1893, 0.4632,
0.3595

 11.7701, 0.6331,
0.3355

 11.7701, 0.6331,
0.3355


 11.7704, 0.6331,
0.3355

 12.6178, 0.6108,
0.3390

 14.0282, 0.5762,
0.3421

 16.0860, 0.5332,
0.3434

 18.8570, 0.4881,
0.3430

 22.3988, 0.4456,
0.3414

■ 26.7631, 0.4083,
0.3391

■ 31.9971, 0.3768,
0.3365

■ 38.1444, 0.3509,
0.3339

■ 45.2457, 0.3298,
0.3314

Harmonies

Analogous

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



11.7701, 0.5793, 0.2567



11.7701, 0.6331, 0.3355



11.7701, 0.5657, 0.4343

Triad

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



11.7701, 0.6331, 0.3355



11.7701, 0.1734, 0.5854



11.7701, 0.1293, 0.1126

Complementary

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



11.7701, 0.6331, 0.3355



34.5250, 0.2165, 0.2995

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.



11.7701, 0.0828, 0.1239



11.7701, 0.6331, 0.3355



11.7701, 0.0938, 0.3342

Square

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



11.7701, 0.6331, 0.3355



11.7701, 0.2988, 0.6713



11.7701, 0.0708, 0.1814



11.7701, 0.2302, 0.1322

Rectangle

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



11.7701, 0.6331, 0.3355



11.7701, 0.4827, 0.5173



11.7701, 0.0708, 0.1814



11.7701, 0.1091, 0.1127

Sweetspot

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



11.7709, 0.6331, 0.3355



56.8176, 0.3782, 0.3367



14.5103, 0.3431, 0.1664



11.3000, 0.3910, 0.3378



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.



11.7709, 0.6331, 0.3355



20.9292, 0.6344, 0.3345



23.0586, 0.5168, 0.4278



10.2254, 0.3287, 0.3312



7.8813, 0.6318, 0.3365



0.3928, 0.6055, 0.3574

Inverse Universe

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



34.5250, 0.2165, 0.2995



61.6310, 0.2164, 0.2990



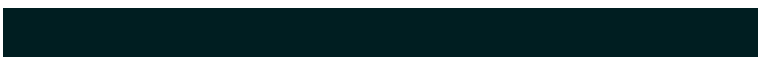
9.6510, 0.1697, 0.1307



11.2629, 0.2984, 0.3268



23.0231, 0.2166, 0.2999



1.0424, 0.2186, 0.3069

Previews

White Background



This preview shows how the Yxy color 11.7701, 0.6331, 0.3355 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 11.7701, 0.6331, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 11.7701, 0.6331, 0.3355.



This preview shows how white text looks on a background with the Yxy color 11.7701, 0.6331, 0.3355.

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

11.7701, 0.6331, 0.3355

Protanopia

12.1205, 0.4257, 0.4702

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

11.7854, 0.6296, 0.3335

Trichromacy



Original Color

11.7701, 0.6331, 0.3355

Protanomaly

9.8691, 0.5297, 0.4010

Deuteranomaly

10.2860, 0.5547, 0.3978

Tritanomaly

11.7788, 0.6311, 0.3344

Monochromacy



Original Color

11.7701, 0.6331, 0.3355

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.9663, 0.4834, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7701, 0.6331, 0.3355 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(193, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 18, 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(193, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 18, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7701, 0.6331, 0.3355 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(193, 18, 0) }
```

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

```
.border{ border-color:rgb(193, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 18, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7701, 0.6331, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 18, 0) }
```

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

```
.background{ background-color: rgb(193, 18,  
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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