

Converting Colors

$Y_{xy}(11.7831, 0.6401, 0.3300)$

Have a look what the booklet for
Yxy(11.7831, 0.6401, 0.3300)
contains.

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Color

Yxy(11.7358, 0.6401, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	C40000
RGB	196, 0, 0
RGB Percent	77%, 0%, 0%
CMY	0.2314, 0.9997, 1.0000
CMYK	0.00, 1.00, 1.00, 0.23
HSL	0°, 100%, 38%
HSV	0°, 100%, 77%
XYZ	22.7639, 11.7358, 1.0633
YIQ	58.6040, 116.8160, 41.5520

Conversions

Conversions Part 2

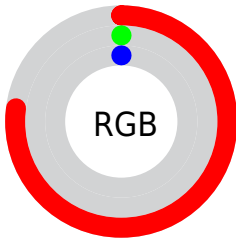
Format	Color
RYB	196, 0, 0
Decimal	12845056
CIELab	40.79, 65.71, 55.17
CIELCh	41, 85.799, 40.016
Yxy	11.7358, 0.6401, 0.3300
Android (android.graphics.Color)	4291035136 (0xFFC40000)
YUV	58.6040, -28.8918, 120.4963
Hunter-Lab	34.2576, 58.6612, 22.1400

Details

The Yxy color **11.7358, 0.6401, 0.3300** 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 **43.4303, 0.2246, 0.3286**, and the grayscale version is **4.3507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6855, 0.5707, 0.3517**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7367, 0.6400, 0.3300**, and if you desaturate by 10%, it is **12.2728, 0.6219, 0.3299**.

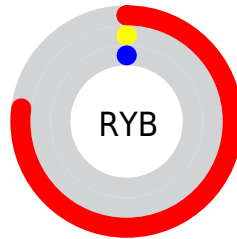
Distribution



Red (77%)

Green (0%)

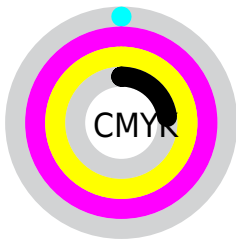
Blue (0%)



Red (77%)

Yellow (0%)

Blue (0%)

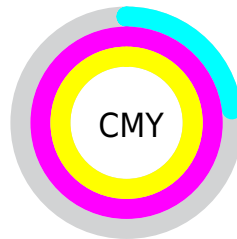


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7358, 0.6401, 0.3300 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 11.7358, 0.6401, 0.3300 by changing the saturation by 10% instead.


 11.7358, 0.6401,
0.3300


 11.7358, 0.6401,
0.3300


 202.6483, 0.4567,
0.3573

 6.5640, 0.6890,
0.3110


 29.0130, 0.5737,
0.3506


 3.1910, 0.7289,
0.2711

 41.8872, 0.5480,
0.3548

 1.2322, 0.7859,
0.2141

 58.0977, 0.5263,
0.3571

 0.0878, 0.9580,
0.0420

 78.0289, 0.5079,
0.3581


 0.0000, 1.0000,
0.0000

 102.0652, 0.4922,
0.3584

 0.0000, 0.0000,
0.0000

 130.5909, 0.4787,

0.3583


 163.9905, 0.4670,
0.3578


 11.7358, 0.6401,
0.3300

 11.7358, 0.6401,
0.3300


 11.7367, 0.6400,
0.3300

 12.2728, 0.6219,
0.3299

 13.3509, 0.5897,
0.3299

 15.1613, 0.5460,
0.3297

 17.8027, 0.4982,
0.3296

 21.3587, 0.4526,
0.3295

■ 25.9026, 0.4125,
0.3293

■ 31.5005, 0.3791,
0.3292

■ 38.2125, 0.3519,
0.3291

■ 46.0944, 0.3301,
0.3291

Harmonies

Analogous

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



11.7358, 0.5818, 0.2515



11.7358, 0.6401, 0.3300



11.7358, 0.5717, 0.4283

Triad

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



11.7358, 0.6401, 0.3300



11.7358, 0.1726, 0.6020



11.7358, 0.1237, 0.1090

Complementary

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



11.7358, 0.6401, 0.3300



43.4303, 0.2246, 0.3286

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.



11.7358, 0.0786, 0.1212



11.7358, 0.6401, 0.3300



11.7358, 0.0910, 0.3409

Square

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



11.7358, 0.6401, 0.3300



11.7358, 0.3007, 0.6806



11.7358, 0.0673, 0.1807



11.7358, 0.2234, 0.1277

Rectangle

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



11.7358, 0.6401, 0.3300



11.7358, 0.4872, 0.5128



11.7358, 0.0673, 0.1807



11.7358, 0.1040, 0.1094

Sweetspot

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



11.7367, 0.6400, 0.3300



56.5459, 0.3805, 0.3292



15.7205, 0.3209, 0.1542



11.1306, 0.3941, 0.3293



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.



11.7367, 0.6400, 0.3300



21.2621, 0.6401, 0.3300



20.4701, 0.5413, 0.4084



10.0785, 0.3289, 0.3291



7.5420, 0.6400, 0.3300



0.3261, 0.6399, 0.3301

Inverse Universe

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



43.4303, 0.2246, 0.3286



78.6798, 0.2246, 0.3286



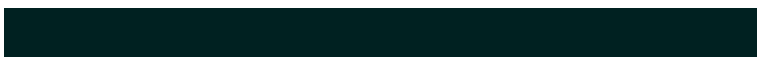
12.7202, 0.1770, 0.1571



11.4278, 0.2985, 0.3290



27.9077, 0.2246, 0.3286



1.2060, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 11.7358, 0.6401, 0.3300 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 11.7358, 0.6401, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 11.7358, 0.6401, 0.3300.



This preview shows how white text looks on a background with the Yxy color 11.7358, 0.6401, 0.3300.

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

11.7358, 0.6401, 0.3300

Protanopia

12.3734, 0.4258, 0.4708

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

11.9019, 0.6332, 0.3355

Trichromacy



Original Color

11.7358, 0.6401, 0.3300

Protanomaly

9.3432, 0.5433, 0.3897

Deuteranomaly

9.8110, 0.5677, 0.3874

Tritanomaly

11.8414, 0.6363, 0.3330

Monochromacy



Original Color

11.7358, 0.6401, 0.3300

Achromatopsia

4.3735, 0.3127, 0.3290

Achromatomaly

4.7774, 0.5070, 0.3296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7358, 0.6401, 0.3300 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(196, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 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(196, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7358, 0.6401, 0.3300 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(196, 0, 0) }
```

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

```
.border{ border-color:rgb(196, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(196, 0, 0); box-shadow:4px  
4px 4px 4px rgb(196, 0, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7358, 0.6401, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 0) }
```

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

```
.background{ background-color: rgb(196, 0,  
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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