

Converting Colors

$Y_{xy}(12.0408, 0.6081, 0.3158)$

Have a look what the booklet for
Yxy(12.0408, 0.6081, 0.3158)
contains.

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Color

Yxy(12.0494, 0.6076, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	C40826
RGB	196, 8, 38
RGB Percent	77%, 3%, 15%
CMY	0.2313, 0.9689, 0.8510
CMYK	0.00, 0.96, 0.81, 0.23
HSL	350°, 92%, 40%
HSV	350°, 96%, 77%
XYZ	23.2051, 12.0494, 2.9369
YIQ	67.6320, 102.4180, 49.1860

Conversions

Conversions Part 2

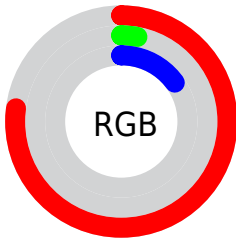
Format	Color
RYB	196, 8, 38
Decimal	12847142
CIELab	41.29, 65.54, 38.80
CIELCh	41, 76.167, 30.627
Yxy	12.0494, 0.6076, 0.3155
Android (android.graphics.Color)	4291037222 (0xFFC40826)
YUV	67.6320, -14.6086, 112.5787
Hunter-Lab	34.7122, 58.5807, 19.2822

Details

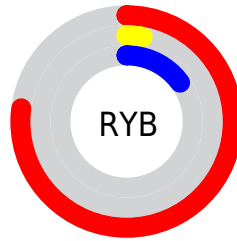
The Yxy color **12.0494, 0.6076, 0.3155** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.2897, 0.2390, 0.3782**, and the grayscale version is **5.7240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5557, 0.5357, 0.3313**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8388, 0.6180, 0.3178**, and if you desaturate by 10%, it is **12.8173, 0.5756, 0.3093**.

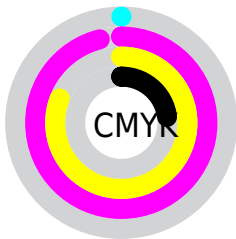
Distribution



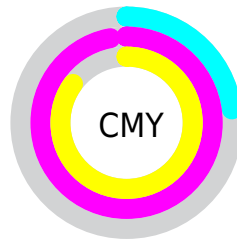
- Red (77%)
- Green (3%)
- Blue (15%)



- Red (77%)
- Yellow (3%)
- Blue (15%)



- Cyan (0%)
- Magenta (96%)
- Yellow (81%)
- Black (23%)



- Cyan (23%)
- Magenta (97%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0494, 0.6076, 0.3155 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 12.0494, 0.6076, 0.3155 by changing the saturation by 10% instead.


 12.0494, 0.6076,
0.3155


 12.0494, 0.6076,
0.3155


204.7321, 0.4343,
0.3403


 6.7773, 0.6547,
0.2985


 29.5850, 0.5400,
0.3315


 3.3232, 0.7261,
0.2739

 42.6174, 0.5157,
0.3351

 1.3027, 0.7821,
0.2179

 59.0053, 0.4958,
0.3374

 0.1433, 0.9358,
0.0642

 79.1332, 0.4792,
0.3388

 0.0000, 1.0000,
0.0000


 103.3854, 0.4653,
0.3396


 0.0000, 0.0000,
0.0000


 132.1464, 0.4534,

0.3400


 165.8004, 0.4432,
0.3403


 12.0494, 0.6076,
0.3155

 12.0494, 0.6076,
0.3155

 11.8388, 0.6180,
0.3178

 12.8173, 0.5756,
0.3093

 14.2359, 0.5355,
0.3058

 16.4158, 0.4926,
0.3052

 19.4445, 0.4516,
0.3068

 23.3979, 0.4151,
0.3100

■ 28.3432, 0.3842,
0.3140

■ 34.3414, 0.3586,
0.3183

■ 41.4486, 0.3379,
0.3226

■ 49.7169, 0.3211,
0.3267

Harmonies

Analogous

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



12.0494, 0.5080, 0.2386



12.0494, 0.6076, 0.3155



12.0494, 0.5852, 0.4035

Triad

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



12.0494, 0.6076, 0.3155



12.0494, 0.2275, 0.6122



12.0494, 0.1199, 0.1249

Complementary

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



12.0494, 0.6076, 0.3155



42.2897, 0.2390, 0.3782

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.



12.0494, 0.0871, 0.1499



12.0494, 0.6076, 0.3155



12.0494, 0.1293, 0.4113

Square

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



12.0494, 0.6076, 0.3155



12.0494, 0.3553, 0.6242



12.0494, 0.0872, 0.2315



12.0494, 0.1967, 0.1336

Rectangle

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



12.0494, 0.6076, 0.3155



12.0494, 0.5240, 0.4760



12.0494, 0.0872, 0.2315



12.0494, 0.1050, 0.1289

Sweetspot

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



12.0502, 0.6076, 0.3155



58.1728, 0.3670, 0.3168



12.1223, 0.2807, 0.1334



11.4563, 0.3782, 0.3150



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.



12.0502, 0.6076, 0.3155



21.4185, 0.6208, 0.3193



16.2144, 0.5784, 0.3745



10.1036, 0.3264, 0.3253



7.6139, 0.6152, 0.3163



0.3374, 0.5597, 0.2857

Inverse Universe

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



12.0502, 0.6076, 0.3155



21.4185, 0.6208, 0.3193



20.9007, 0.1953, 0.2207



10.1036, 0.3264, 0.3253



7.6139, 0.6152, 0.3163



0.3374, 0.5597, 0.2857

Previews

White Background



This preview shows how the Yxy color 12.0494, 0.6076, 0.3155 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 12.0494, 0.6076, 0.3155 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 12.0494, 0.6076, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 12.0494, 0.6076, 0.3155.



This preview shows how white text looks on a background with the Yxy color 12.0494, 0.6076, 0.3155.

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

12.0494, 0.6076, 0.3155

Protanopia

12.4907, 0.3854, 0.4165

Deuteranopia

12.4272, 0.4573, 0.4505



Tritanopia

12.1793, 0.6309, 0.3340

Trichromacy



Original Color

12.0494, 0.6076, 0.3155

Protanomaly

9.7982, 0.4895, 0.3545

Deuteranomaly

10.2182, 0.5410, 0.3748

Tritanomaly

12.0903, 0.6262, 0.3289

Monochromacy



Original Color

12.0494, 0.6076, 0.3155

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.8942, 0.4570, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0494, 0.6076, 0.3155 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, 8, 38)` looks like.

```
.text, #text, p{  
    color:rgb(196, 8, 38)  
}
```

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, 8, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 8, 38) }
```

Border

The CSS property to change the border of an element to Yxy 12.0494, 0.6076, 0.3155 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, 8, 38) }
```

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

```
.border{ border-color:rgb(196, 8, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 8, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 8, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 8, 38);  
box-shadow:4px 4px 4px 4px rgb(196, 8, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0494, 0.6076, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 8, 38) }
```

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

```
.background{ background-color: rgb(196, 8,  
38) }
```

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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