

Converting Colors

$Y_{xy}(11.4093, 0.6090, 0.2985)$

Have a look what the booklet for
Yxy(11.4093, 0.6090, 0.2985)
contains.

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Color

Yxy(12.0676, 0.5990, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	C5002E
RGB	197, 0, 46
RGB Percent	77%, 0%, 18%
CMY	0.2275, 0.9993, 0.8196
CMYK	0.00, 1.00, 0.77, 0.23
HSL	346°, 100%, 39%
HSV	346°, 100%, 77%
XYZ	23.5149, 12.0676, 3.6745
YIQ	64.1470, 102.6460, 56.0700

Conversions

Conversions Part 2

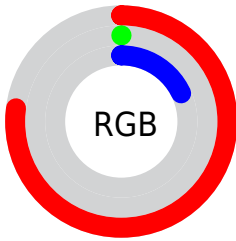
Format	Color
RYB	197, 0, 46
Decimal	12910638
CIELab	41.32, 66.80, 34.20
CIELCh	41, 75.049, 27.112
Yxy	12.0676, 0.5990, 0.3074
Android (android.graphics.Color)	4291100718 (0xFFC5002E)
YUV	64.1470, -8.9465, 116.5121
Hunter-Lab	34.7385, 60.0368, 18.0455

Details

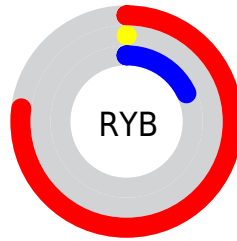
The Yxy color **12.0676, 0.5990, 0.3074** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.1630, 0.2461, 0.4060**, and the grayscale version is **5.1674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3734, 0.5274, 0.3229**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0636, 0.5992, 0.3075**, and if you desaturate by 10%, it is **12.7012, 0.5684, 0.2994**.

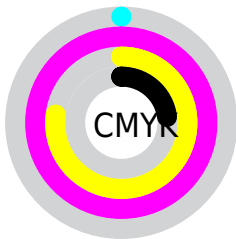
Distribution



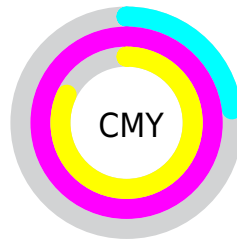
- Red (77%)
- Green (0%)
- Blue (18%)



- Red (77%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (23%)



- Cyan (23%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0676, 0.5990, 0.3074 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 12.0676, 0.5990, 0.3074 by changing the saturation by 10% instead.


 12.0676, 0.5990,
0.3074

 12.0676, 0.5990,
0.3074


204.8523, 0.4293,
0.3346


 6.7897, 0.6470,
0.2910


 29.6182, 0.5318,
0.3235


 3.3310, 0.7188,
0.2668

 42.6597, 0.5080,
0.3274

 1.3069, 0.7853,
0.2147

 59.0578, 0.4886,
0.3300

 0.1465, 0.9363,
0.0637

 79.1970, 0.4726,
0.3317

 0.0000, 1.0000,
0.0000

 103.4617, 0.4591,
0.3329

 0.0000, 0.0000,
0.0000

 132.2362, 0.4477,

0.3337

165.9049, 0.4378,
0.3342

■ 12.0676, 0.5990,
0.3074

■ 12.0676, 0.5990,
0.3074

■ 12.0636, 0.5992,
0.3075

■ 12.7012, 0.5684,
0.2994

■ 13.8809, 0.5314,
0.2941

■ 15.7839, 0.4916,
0.2928

■ 18.5041, 0.4530,
0.2948

■ 22.1214, 0.4182,
0.2991

■ 26.7059, 0.3883,
0.3047

■ 32.3207, 0.3633,
0.3109

■ 39.0238, 0.3428,
0.3172

■ 46.8686, 0.3261,
0.3233

Harmonies

Analogous

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



12.0676, 0.4868, 0.2313



12.0676, 0.5990, 0.3074



12.0676, 0.5892, 0.3921

Triad

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



12.0676, 0.5990, 0.3074



12.0676, 0.2435, 0.6196



12.0676, 0.1159, 0.1278

Complementary

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



12.0676, 0.5990, 0.3074



42.1630, 0.2461, 0.4060

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.



12.0676, 0.0874, 0.1578



12.0676, 0.5990, 0.3074



12.0676, 0.1403, 0.4367

Square

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



12.0676, 0.5990, 0.3074



12.0676, 0.3721, 0.6121



12.0676, 0.0917, 0.2485



12.0676, 0.1863, 0.1328

Rectangle

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



12.0676, 0.5990, 0.3074



12.0676, 0.5364, 0.4636



12.0676, 0.0917, 0.2485



12.0676, 0.1026, 0.1332

Sweetspot

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



12.0684, 0.5990, 0.3074



57.2999, 0.3646, 0.3106



10.6187, 0.2623, 0.1219



11.3027, 0.3748, 0.3079



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.



12.0684, 0.5990, 0.3074



21.5797, 0.6026, 0.3094



14.3826, 0.6045, 0.3581



10.6767, 0.3254, 0.3236



7.9476, 0.5961, 0.3058



0.3879, 0.5356, 0.2724

Inverse Universe

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



12.0684, 0.5990, 0.3074



21.5797, 0.6026, 0.3094



24.1287, 0.1999, 0.2397



10.6767, 0.3254, 0.3236



7.9476, 0.5961, 0.3058



0.3879, 0.5356, 0.2724

Previews

White Background



This preview shows how the Yxy color 12.0676, 0.5990, 0.3074 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 12.0676, 0.5990, 0.3074 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 12.0676, 0.5990, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 12.0676, 0.5990, 0.3074.



This preview shows how white text looks on a background with the Yxy color 12.0676, 0.5990, 0.3074.

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

12.0676, 0.5990, 0.3074

Protanopia

12.7447, 0.3677, 0.3955

Deuteranopia

12.6599, 0.4461, 0.4399



Tritanopia

12.2234, 0.6280, 0.3330

Trichromacy



Original Color

12.0676, 0.5990, 0.3074

Protanomaly

9.5792, 0.4713, 0.3347

Deuteranomaly

10.0567, 0.5311, 0.3613

Tritanomaly

12.0606, 0.6224, 0.3257

Monochromacy



Original Color

12.0676, 0.5990, 0.3074

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.3260, 0.4562, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0676, 0.5990, 0.3074 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(197, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 46)  
}
```

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(197, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 46) }
```

Border

The CSS property to change the border of an element to Yxy 12.0676, 0.5990, 0.3074 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(197, 0, 46) }
```

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

```
.border{ border-color:rgb(197, 0, 46) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0676, 0.5990, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 46) }
```

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

```
.background{ background-color: rgb(197, 0,  
46) }
```

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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