

Converting Colors

$Yxy(13.0567, 0.5980, 0.3068)$

Have a look what the booklet for
Yxy(13.0567, 0.5980, 0.3068)
contains.

Yxy(13.0591, 0.5976, 0.3066)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0591, 0.5976, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	CC0031
RGB	204, 0, 49
RGB Percent	80%, 0%, 19%
CMY	0.2000, 0.9996, 0.8080
CMYK	0.00, 1.00, 0.76, 0.20
HSL	346°, 100%, 40%
HSV	346°, 100%, 80%
XYZ	25.4537, 13.0591, 4.0804
YIQ	66.5820, 105.8550, 58.4870

Conversions

Conversions Part 2

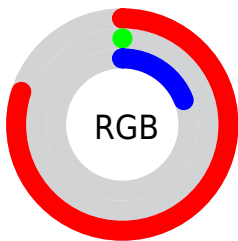
Format	Color
RYB	204, 0, 49
Decimal	13369393
CIELab	42.85, 68.61, 34.54
CIElCh	43, 76.816, 26.721
Yxy	13.0591, 0.5976, 0.3066
Android (android.graphics.Color)	4291559473 (0xFFCC0031)
YUV	66.5820, -8.6679, 120.5156
Hunter-Lab	36.1374, 62.4880, 18.6015

Details

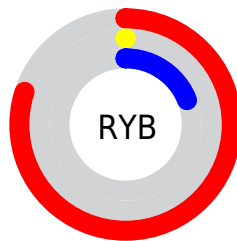
The Yxy color **13.0591, 0.5976, 0.3066** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.5534, 0.2468, 0.4086**, and the grayscale version is **5.5549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7418, 0.5223, 0.3219**, and **5.6737, 0.6349, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **13.0567, 0.5977, 0.3067**, and if you desaturate by 10%, it is **13.7302, 0.5670, 0.2983**.

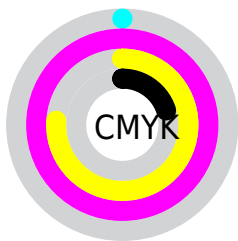
Distribution



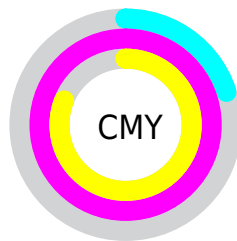
- Red (80%)
- Green (0%)
- Blue (19%)



- Red (80%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0591, 0.5976, 0.3066 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 13.0591, 0.5976, 0.3066 by changing the saturation by 10% instead.


 13.0591, 0.5976,
0.3066


 13.0591, 0.5976,
0.3066

211.2961, 0.4305,
0.3339


 7.4693, 0.6442,
0.2908


 31.4099, 0.5319,
0.3224


 3.7573, 0.7095,
0.2664

 44.9397, 0.5085,
0.3263

 1.5387, 0.7803,
0.2197

 61.8849, 0.4894,
0.3290

 0.3158, 0.8902,
0.1098

 82.6299, 0.4735,
0.3308

 0.0000, 1.0000,
0.0000

 107.5591, 0.4601,
0.3320

 0.0000, 0.0000,
0.0000

 137.0570, 0.4488,

0.3329

171.5078, 0.4390,
0.3335

■ 13.0591, 0.5976,
0.3066

■ 13.0591, 0.5976,
0.3066

■ 13.0567, 0.5977,
0.3067

■ 13.7302, 0.5670,
0.2983

■ 14.9948, 0.5302,
0.2930

■ 17.0421, 0.4907,
0.2916

■ 19.9749, 0.4523,
0.2937

■ 23.8801, 0.4177,
0.2981

■ 28.8342, 0.3880,
0.3039

■ 34.9061, 0.3631,
0.3104

■ 42.1586, 0.3427,
0.3169

■ 50.6501, 0.3261,
0.3231

Harmonies

Analogous

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



13.0591, 0.4842, 0.2306



13.0591, 0.5976, 0.3066



13.0591, 0.5890, 0.3908

Triad

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



13.0591, 0.5976, 0.3066



13.0591, 0.2454, 0.6198



13.0591, 0.1157, 0.1283

Complementary

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



13.0591, 0.5976, 0.3066



45.5534, 0.2468, 0.4086

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.



13.0591, 0.0876, 0.1589



13.0591, 0.5976, 0.3066



13.0591, 0.1418, 0.4393

Square

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



13.0591, 0.5976, 0.3066



13.0591, 0.3734, 0.6094



13.0591, 0.0925, 0.2505



13.0591, 0.1853, 0.1329

Rectangle

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



13.0591, 0.5976, 0.3066



13.0591, 0.5377, 0.4623



13.0591, 0.0925, 0.2505



13.0591, 0.1025, 0.1339

Sweetspot

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



13.0599, 0.5976, 0.3066



57.3235, 0.3641, 0.3101



11.1360, 0.2580, 0.1195



11.3081, 0.3742, 0.3073



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.



13.0599, 0.5976, 0.3066



21.5979, 0.6007, 0.3083



15.2112, 0.6086, 0.3549



11.2570, 0.3253, 0.3235



8.2312, 0.5943, 0.3048



0.4369, 0.5374, 0.2734

Inverse Universe

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



13.0599, 0.5976, 0.3066



21.5979, 0.6007, 0.3083



27.1494, 0.2015, 0.2454



11.2570, 0.3253, 0.3235



8.2312, 0.5943, 0.3048



0.4369, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 13.0591, 0.5976, 0.3066 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 13.0591, 0.5976, 0.3066 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 13.0591, 0.5976, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 13.0591, 0.5976, 0.3066.



This preview shows how white text looks on a background with the Yxy color 13.0591, 0.5976, 0.3066.

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

13.0591, 0.5976, 0.3066

Protanopia

13.5744, 0.3649, 0.3918

Deuteranopia

13.5361, 0.4447, 0.4377



Tritanopia

13.2234, 0.6275, 0.3326

Trichromacy



Original Color

13.0591, 0.5976, 0.3066

Protanomaly

10.2978, 0.4688, 0.3311

Deuteranomaly

10.6733, 0.5308, 0.3578

Tritanomaly

13.0545, 0.6217, 0.3253

Monochromacy



Original Color

13.0591, 0.5976, 0.3066

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.8359, 0.4558, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0591, 0.5976, 0.3066 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(204, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 49)  
}
```

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(204, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 49) }
```

Border

The CSS property to change the border of an element to Yxy 13.0591, 0.5976, 0.3066 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(204, 0, 49) }
```

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

```
.border{ border-color:rgb(204, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0591, 0.5976, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 49) }
```

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

```
.background{ background-color: rgb(204, 0,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor