

Converting Colors

$Y_{xy}(13.2107, 0.5725, 0.2928)$

Have a look what the booklet for
Yxy(13.2107, 0.5725, 0.2928)
contains.

Yxy(13.2075, 0.5730, 0.2930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2075, 0.5730, 0.2930)

Conversions

Conversions Part 1

Format	Color
Hex	CC0040
RGB	204, 0, 64
RGB Percent	80%, 0%, 25%
CMY	0.2000, 1.0000, 0.7490
CMYK	0.00, 1.00, 0.69, 0.20
HSL	341°, 100%, 40%
HSV	341°, 100%, 80%
XYZ	25.8290, 13.2075, 6.0403
YIQ	68.2920, 101.0400, 63.1520

Conversions

Conversions Part 2

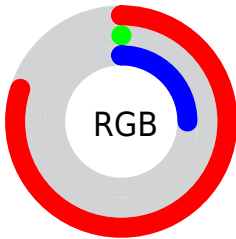
Format	Color
RYB	204, 0, 64
Decimal	13369408
CIELab	43.07, 69.23, 25.57
CIElCh	43, 73.804, 20.275
Yxy	13.2075, 0.5730, 0.2930
Android (android.graphics.Color)	4291559488 (0xFFCC0040)
YUV	68.2920, -2.1160, 119.0159
Hunter-Lab	36.3421, 63.2644, 15.5851

Details

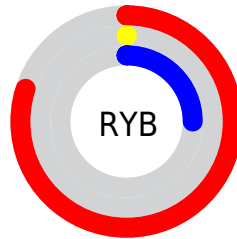
The Yxy color **13.2075, 0.5730, 0.2930** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **45.0822, 0.2543, 0.4354**, and the grayscale version is **5.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0633, 0.5012, 0.3071**, and **5.7246, 0.6123, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **13.2086, 0.5730, 0.2930**, and if you desaturate by 10%, it is **13.9031, 0.5423, 0.2841**.

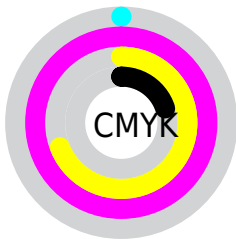
Distribution



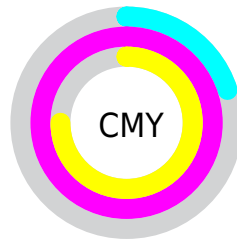
- Red (80%)
- Green (0%)
- Blue (25%)



- Red (80%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2075, 0.5730, 0.2930 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 13.2075, 0.5730, 0.2930 by changing the saturation by 10% instead.


 13.2075, 0.5730,
0.2930


 13.2075, 0.5730,
0.2930


212.2433, 0.4185,
0.3239


 7.5716, 0.6187,
0.2784


 31.6761, 0.5110,
0.3087


 3.8221, 0.6794,
0.2544

 45.2775, 0.4894,
0.3132


 1.5745, 0.7805,
0.2195

 62.3029, 0.4719,
0.3163

 0.3403, 0.8859,
0.1141

 83.1367, 0.4574,
0.3187

 0.0000, 1.0000,
0.0000

 108.1632, 0.4453,
0.3205

 0.0000, 0.0000,
0.0000

 137.7669, 0.4350,

0.3219

172.3321, 0.4262,
0.3230

■ 13.2075, 0.5730,
0.2930

■ 13.2075, 0.5730,
0.2930

■ 13.2086, 0.5730,
0.2930

■ 13.9031, 0.5423,
0.2841

■ 15.1834, 0.5077,
0.2791

■ 17.2382, 0.4719,
0.2787

■ 20.1695, 0.4377,
0.2822

■ 24.0632, 0.4070,
0.2884

■ 28.9952, 0.3806,
0.2961

■ 35.0336, 0.3583,
0.3046

■ 42.2406, 0.3400,
0.3131

■ 50.6739, 0.3250,
0.3213

Harmonies

Analogous

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



13.2075, 0.4430, 0.2193



13.2075, 0.5730, 0.2930



13.2075, 0.5912, 0.3735

Triad

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



13.2075, 0.5730, 0.2930



13.2075, 0.2762, 0.6194



13.2075, 0.1120, 0.1369

Complementary

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



13.2075, 0.5730, 0.2930



45.0822, 0.2543, 0.4354

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.



13.2075, 0.0914, 0.1777



13.2075, 0.5730, 0.2930



13.2075, 0.1664, 0.4802

Square

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



13.2075, 0.5730, 0.2930



13.2075, 0.4026, 0.5819



13.2075, 0.1049, 0.2858



13.2075, 0.1705, 0.1346

Rectangle

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



13.2075, 0.5730, 0.2930



13.2075, 0.5509, 0.4380



13.2075, 0.1049, 0.2858



13.2075, 0.1014, 0.1453

Sweetspot

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



13.2086, 0.5730, 0.2930



57.5883, 0.3591, 0.3042



9.8838, 0.2418, 0.1106



11.3695, 0.3682, 0.3006



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.



13.2086, 0.5730, 0.2930



21.8394, 0.5762, 0.2948



14.1866, 0.6215, 0.3447



11.2707, 0.3242, 0.3218



8.3280, 0.5693, 0.2910



0.4434, 0.5130, 0.2599

Inverse Universe

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



13.2086, 0.5730, 0.2930



21.8394, 0.5762, 0.2948



31.8531, 0.2080, 0.2688



11.2707, 0.3242, 0.3218



8.3280, 0.5693, 0.2910



0.4434, 0.5130, 0.2599

Previews

White Background



This preview shows how the Yxy color 13.2075, 0.5730, 0.2930 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 13.2075, 0.5730, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

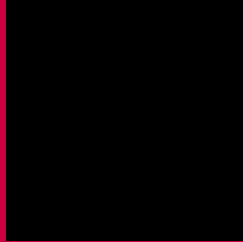
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.2075, 0.5730, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 13.2075, 0.5730, 0.2930.



This preview shows how white text looks on a background with the Yxy color 13.2075, 0.5730, 0.2930.

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

13.2075, 0.5730, 0.2930

Protanopia

13.9150, 0.3306, 0.3485

Deuteranopia

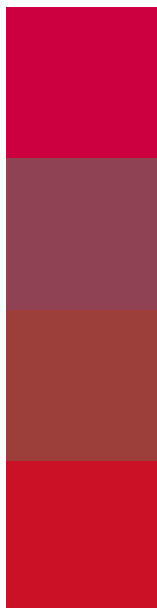
13.7792, 0.4223, 0.4148



Tritanopia

13.4932, 0.6181, 0.3317

Trichromacy



Original Color

13.2075, 0.5730, 0.2930

Protanomaly

10.3762, 0.4268, 0.2977

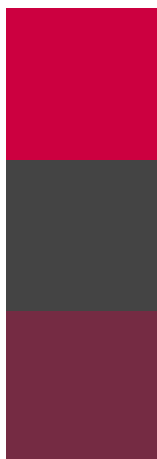
Deuteranomaly

10.9284, 0.5010, 0.3369

Tritanomaly

13.2310, 0.6082, 0.3198

Monochromacy



Original Color

13.2075, 0.5730, 0.2930

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.9149, 0.4368, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2075, 0.5730, 0.2930 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 64) }
```

Border

The CSS property to change the border of an element to Yxy 13.2075, 0.5730, 0.2930 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, 64) }
```

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

```
.border{ border-color:rgb(204, 0, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2075, 0.5730, 0.2930 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, 64) }
```

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

```
.background{ background-color: rgb(204, 0,  
64) }
```

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