

Converting Colors

$Y_{xy}(13.2609, 0.5648, 0.2885)$

Have a look what the booklet for
Yxy(13.2609, 0.5648, 0.2885)
contains.

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Color

Yxy(13.2670, 0.5639, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	CC0045
RGB	204, 0, 69
RGB Percent	80%, 0%, 27%
CMY	0.2000, 0.9999, 0.7294
CMYK	0.00, 1.00, 0.66, 0.20
HSL	340°, 100%, 40%
HSV	340°, 100%, 80%
XYZ	25.9766, 13.2670, 6.8224
YIQ	68.8620, 99.4350, 64.7070

Conversions

Conversions Part 2

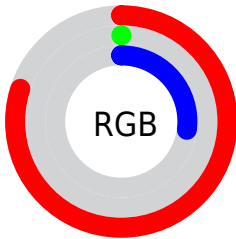
Format	Color
RYB	204, 0, 69
Decimal	13369413
CIELab	43.16, 69.47, 22.57
CIELCh	43, 73.039, 17.998
Yxy	13.2670, 0.5639, 0.2880
Android (android.graphics.Color)	4291559493 (0xFFCC0045)
YUV	68.8620, 0.0680, 118.5160
Hunter-Lab	36.4239, 63.5599, 14.3914

Details

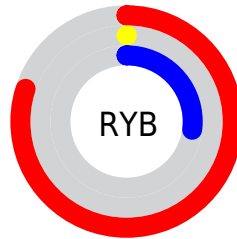
The Yxy color **13.2670, 0.5639, 0.2880** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **44.9367, 0.2568, 0.4443**, and the grayscale version is **5.9174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3607, 0.4924, 0.3021**, and **5.7419, 0.6051, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **13.2672, 0.5639, 0.2880**, and if you desaturate by 10%, it is **13.9699, 0.5336, 0.2791**.

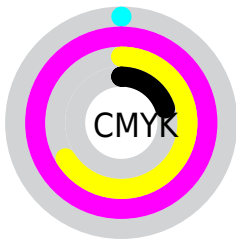
Distribution



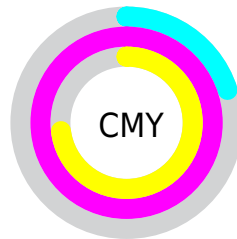
- Red (80%)
- Green (0%)
- Blue (27%)



- Red (80%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2670, 0.5639, 0.2880 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 13.2670, 0.5639, 0.2880 by changing the saturation by 10% instead.


 13.2670, 0.5639,
0.2880


 13.2670, 0.5639,
0.2880


212.6218, 0.4145,
0.3206


 7.6127, 0.6087,
0.2736


 31.7826, 0.5037,
0.3039


 3.8481, 0.6692,
0.2504

 45.4127, 0.4828,
0.3086


 1.5890, 0.7796,
0.2192

 62.4702, 0.4659,
0.3120

 0.3501, 0.8842,
0.1158

 83.3394, 0.4519,
0.3146

 0.0000, 1.0000,
0.0000

 108.4048, 0.4403,
0.3166

 0.0000, 0.0000,
0.0000

 138.0507, 0.4304,

0.3182

172.6616, 0.4219,
0.3195

■ 13.2670, 0.5639,
0.2880

■ 13.2670, 0.5639,
0.2880

■ 13.2672, 0.5639,
0.2880

■ 13.9699, 0.5336,
0.2791

■ 15.2558, 0.5000,
0.2744

■ 17.3139, 0.4655,
0.2744

■ 20.2456, 0.4328,
0.2785

■ 24.1368, 0.4034,
0.2853

■ 29.0630, 0.3781,
0.2936

■ 35.0921, 0.3567,
0.3027

■ 42.2860, 0.3391,
0.3118

■ 50.7024, 0.3246,
0.3207

Harmonies

Analogous

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



13.2670, 0.4293, 0.2153



13.2670, 0.5639, 0.2880



13.2670, 0.5913, 0.3677

Triad

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



13.2670, 0.5639, 0.2880



13.2670, 0.2866, 0.6183



13.2670, 0.1107, 0.1400

Complementary

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



13.2670, 0.5639, 0.2880



44.9367, 0.2568, 0.4443

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.



13.2670, 0.0927, 0.1846



13.2670, 0.5639, 0.2880



13.2670, 0.1750, 0.4936

Square

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



13.2670, 0.5639, 0.2880



13.2670, 0.4123, 0.5728



13.2670, 0.1093, 0.2986



13.2670, 0.1657, 0.1352

Rectangle

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



13.2670, 0.5639, 0.2880



13.2670, 0.5549, 0.4300



13.2670, 0.1093, 0.2986



13.2670, 0.1010, 0.1494

Sweetspot

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



13.2678, 0.5639, 0.2880



57.6776, 0.3575, 0.3023



9.3149, 0.2340, 0.1062



11.3903, 0.3662, 0.2984



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.



13.2678, 0.5639, 0.2880



21.9357, 0.5672, 0.2898



13.7979, 0.6266, 0.3406



11.2752, 0.3238, 0.3212



8.3660, 0.5602, 0.2860



0.4457, 0.5048, 0.2555

Inverse Universe

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



13.2678, 0.5639, 0.2880



21.9357, 0.5672, 0.2898



34.4025, 0.2112, 0.2803



11.2752, 0.3238, 0.3212



8.3660, 0.5602, 0.2860



0.4457, 0.5048, 0.2555

Previews

White Background



This preview shows how the Yxy color 13.2670, 0.5639, 0.2880 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 13.2670, 0.5639, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

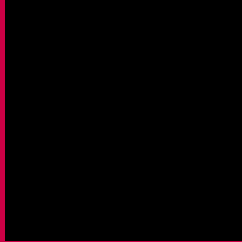
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2670, 0.5639, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 13.2670, 0.5639, 0.2880.



This preview shows how white text looks on a background with the Yxy color 13.2670, 0.5639, 0.2880.

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

13.2670, 0.5639, 0.2880

Protanopia

13.9857, 0.3196, 0.3333

Deuteranopia

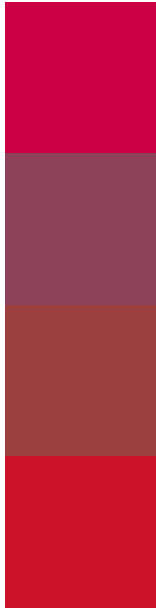
13.7620, 0.4128, 0.4050



Tritanopia

13.5930, 0.6154, 0.3319

Trichromacy



Original Color

13.2670, 0.5639, 0.2880

Protanomaly

10.3854, 0.4127, 0.2867

Deuteranomaly

10.8825, 0.4903, 0.3295

Tritanomaly

13.2823, 0.6042, 0.3181

Monochromacy



Original Color

13.2670, 0.5639, 0.2880

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.0826, 0.4326, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2670, 0.5639, 0.2880 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 69) }
```

Border

The CSS property to change the border of an element to Yxy 13.2670, 0.5639, 0.2880 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, 69) }
```

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

```
.border{ border-color:rgb(204, 0, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2670, 0.5639, 0.2880 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, 69) }
```

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

```
.background{ background-color: rgb(204, 0,  
69) }
```

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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