

Converting Colors

$Y_{xy}(11.7608, 0.5780, 0.2594)$

Have a look what the booklet for
Yxy(11.7608, 0.5780, 0.2594)
contains.

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Color

Yxy(13.9043, 0.5575, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	D0004A
RGB	208, 0, 74
RGB Percent	82%, 0%, 29%
CMY	0.1843, 0.9996, 0.7099
CMYK	0.00, 1.00, 0.64, 0.18
HSL	339°, 100%, 41%
HSV	339°, 100%, 82%
XYZ	27.2466, 13.9043, 7.7219
YIQ	70.6280, 100.2140, 67.1100

Conversions

Conversions Part 2

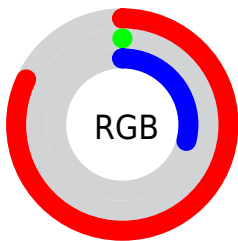
Format	Color
RYB	208, 0, 74
Decimal	13631562
CIELab	44.10, 70.65, 20.83
CIElCh	44, 73.656, 16.426
Yxy	13.9043, 0.5575, 0.2845
Android (android.graphics.Color)	4291821642 (0xFFD0004A)
YUV	70.6280, 1.6624, 120.4752
Hunter-Lab	37.2885, 65.1745, 13.8238

Details

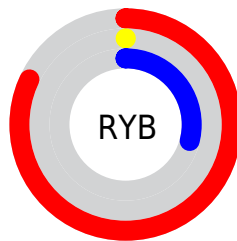
The Yxy color **13.9043, 0.5575, 0.2845** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.8337, 0.2585, 0.4507**, and the grayscale version is **6.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6446, 0.4850, 0.2980**, and **6.1187, 0.5995, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **13.9022, 0.5576, 0.2846**, and if you desaturate by 10%, it is **14.6359, 0.5276, 0.2756**.

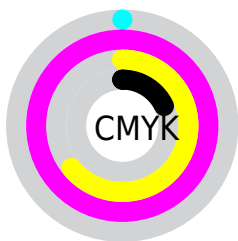
Distribution



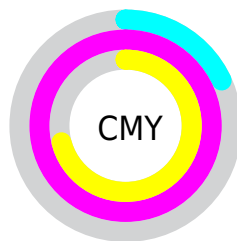
- Red (82%)
- Green (0%)
- Blue (29%)



- Red (82%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (18%)




- Cyan (18%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9043, 0.5575, 0.2845 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 13.9043, 0.5575, 0.2845 by changing the saturation by 10% instead.


 13.9043, 0.5575,
0.2845


 13.9043, 0.5575,
0.2845


216.6347, 0.4126,
0.3181


 8.0541, 0.6009,
0.2704


 32.9191, 0.4992,
0.3005


 4.1296, 0.6596,
0.2482

 46.8526, 0.4790,
0.3052


 1.7463, 0.7546,
0.2154

 64.2492, 0.4626,
0.3088

 0.4534, 0.8671,
0.1329

 85.4935, 0.4491,
0.3116

 0.0000, 1.0000,
0.0000

 110.9698, 0.4377,
0.3137

 0.0000, 0.0000,
0.0000

 141.0625, 0.4281,

0.3155

176.1560, 0.4198,
0.3169

■ 13.9043, 0.5575,
0.2845

■ 13.9043, 0.5575,
0.2845

■ 13.9022, 0.5576,
0.2846

■ 14.6359, 0.5276,
0.2756

■ 15.9789, 0.4948,
0.2711

■ 18.1278, 0.4613,
0.2714

■ 21.1889, 0.4295,
0.2758

■ 25.2521, 0.4010,
0.2830

■ 30.3965, 0.3764,
0.2918

■ 36.6930, 0.3556,
0.3014

■ 44.2067, 0.3384,
0.3110

■ 52.9977, 0.3242,
0.3203

Harmonies

Analogous

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



13.9043, 0.4200, 0.2125



13.9043, 0.5575, 0.2845



13.9043, 0.5912, 0.3636

Triad

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



13.9043, 0.5575, 0.2845



13.9043, 0.2936, 0.6172



13.9043, 0.1098, 0.1421

Complementary

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



13.9043, 0.5575, 0.2845



46.8337, 0.2585, 0.4507

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.



13.9043, 0.0936, 0.1894



13.9043, 0.5575, 0.2845



13.9043, 0.1810, 0.5026

Square

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



13.9043, 0.5575, 0.2845



13.9043, 0.4185, 0.5662



13.9043, 0.1124, 0.3075



13.9043, 0.1625, 0.1355

Rectangle

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



13.9043, 0.5575, 0.2845



13.9043, 0.5573, 0.4245



13.9043, 0.1124, 0.3075



13.9043, 0.1008, 0.1523

Sweetspot

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



13.9052, 0.5575, 0.2845



57.7411, 0.3564, 0.3010



9.4425, 0.2300, 0.1041



11.4051, 0.3648, 0.2969



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.



13.9052, 0.5575, 0.2845



22.0087, 0.5606, 0.2862



14.2310, 0.6289, 0.3388



11.8767, 0.3236, 0.3208



8.6820, 0.5539, 0.2825



0.5004, 0.5028, 0.2543

Inverse Universe

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



13.9052, 0.5575, 0.2845



22.0087, 0.5606, 0.2862



37.3077, 0.2128, 0.2859



11.8767, 0.3236, 0.3208



8.6820, 0.5539, 0.2825



0.5004, 0.5028, 0.2543

Previews

White Background



This preview shows how the Yxy color 13.9043, 0.5575, 0.2845 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 13.9043, 0.5575, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

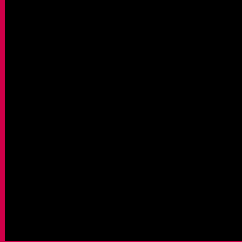
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9043, 0.5575, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 13.9043, 0.5575, 0.2845.



This preview shows how white text looks on a background with the Yxy color 13.9043, 0.5575, 0.2845.

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

13.9043, 0.5575, 0.2845

Protanopia

14.6003, 0.3116, 0.3227

Deuteranopia

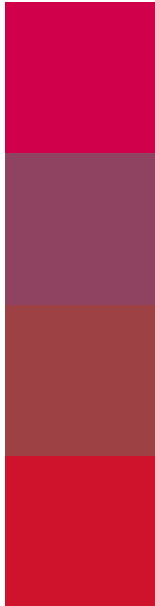
14.5515, 0.4061, 0.4004



Tritanopia

14.2731, 0.6128, 0.3314

Trichromacy



Original Color

13.9043, 0.5575, 0.2845

Protanomaly

10.7881, 0.4033, 0.2785

Deuteranomaly

11.4670, 0.4828, 0.3250

Tritanomaly

13.9130, 0.6003, 0.3161

Monochromacy



Original Color

13.9043, 0.5575, 0.2845

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.4096, 0.4299, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9043, 0.5575, 0.2845 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(208, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(208, 0, 74)  
}
```

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(208, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 0, 74) }
```

Border

The CSS property to change the border of an element to Yxy 13.9043, 0.5575, 0.2845 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(208, 0, 74) }
```

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

```
.border{ border-color:rgb(208, 0, 74) }
```

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

Here you see how a box with a 4 pixel rgb(208, 0, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(208, 0, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9043, 0.5575, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 0, 74) }
```

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

```
.background{ background-color: rgb(208, 0,  
74) }
```

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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