

Converting Colors

$Y_{xy}(13.8539, 0.5895, 0.3021)$

Have a look what the booklet for
Yxy(13.8539, 0.5895, 0.3021)
contains.

Yxy(13.8408, 0.5892, 0.3019)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8408, 0.5892, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	D10038
RGB	209, 0, 56
RGB Percent	82%, 0%, 22%
CMY	0.1803, 1.0000, 0.7803
CMYK	0.00, 1.00, 0.73, 0.18
HSL	344°, 100%, 41%
HSV	344°, 100%, 82%
XYZ	27.0123, 13.8408, 4.9926
YIQ	68.8750, 106.5880, 61.7240

Conversions

Conversions Part 2

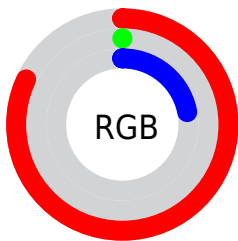
Format	Color
R_{YB}	209, 0, 56
Decimal	13697080
CIE Lab	44.00, 70.10, 31.87
CIE LCh	44, 77.002, 24.449
Yxy	13.8408, 0.5892, 0.3019
Android (android.graphics.Color)	4291887160 (0xFFD10038)
YUV	68.8750, -6.3474, 122.8896
Hunter-Lab	37.2032, 64.4984, 18.0857

Details

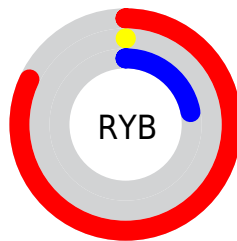
The Yxy color **13.8408, 0.5892, 0.3019** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **47.9082, 0.2497, 0.4190**, and the grayscale version is **5.9284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0557, 0.5113, 0.3154**, and **6.0542, 0.6251, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **13.8434, 0.5892, 0.3019**, and if you desaturate by 10%, it is **14.5495, 0.5584, 0.2932**.

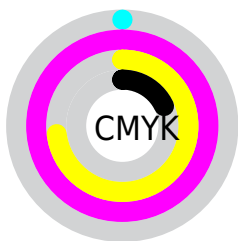
Distribution



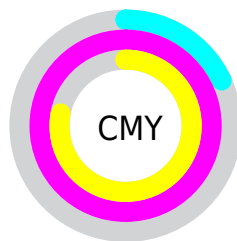
- Red (82%)
- Green (0%)
- Blue (22%)



- Red (82%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8408, 0.5892, 0.3019 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 13.8408, 0.5892, 0.3019 by changing the saturation by 10% instead.


 13.8408, 0.5892,
0.3019

 13.8408, 0.5892,
0.3019


216.2382, 0.4274,
0.3302


 8.0100, 0.6348,
0.2870


 32.8063, 0.5255,
0.3174


 4.1014, 0.6947,
0.2627

 46.7098, 0.5029,
0.3215


 1.7304, 0.7770,
0.2230

 64.0730, 0.4844,
0.3243

 0.4432, 0.8676,
0.1324

 85.2803, 0.4691,
0.3263

 0.0000, 1.0000,
0.0000

 110.7160, 0.4561,
0.3278

 0.0000, 0.0000,
0.0000

 140.7647, 0.4451,

0.3288

175.8106, 0.4357,
0.3296

■ 13.8408, 0.5892,
0.3019

■ 13.8408, 0.5892,
0.3019

■ 13.8434, 0.5892,
0.3019

■ 14.5495, 0.5584,
0.2932

■ 15.8816, 0.5223,
0.2878

■ 18.0378, 0.4840,
0.2867

■ 21.1269, 0.4472,
0.2892

■ 25.2411, 0.4140,
0.2943

■ 30.4612, 0.3854,
0.3009

■ 36.8600, 0.3615,
0.3081

■ 44.5042, 0.3418,
0.3153

■ 53.4552, 0.3257,
0.3224

Harmonies

Analogous

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



13.8408, 0.4693, 0.2267



13.8408, 0.5892, 0.3019



13.8408, 0.5899, 0.3844

Triad

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



13.8408, 0.5892, 0.3019



13.8408, 0.2565, 0.6202



13.8408, 0.1143, 0.1313

Complementary

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



13.8408, 0.5892, 0.3019



47.9082, 0.2497, 0.4190

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.



13.8408, 0.0889, 0.1655



13.8408, 0.5892, 0.3019



13.8408, 0.1504, 0.4543

Square

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



13.8408, 0.5892, 0.3019



13.8408, 0.3837, 0.5989



13.8408, 0.0968, 0.2628



13.8408, 0.1799, 0.1336

Rectangle

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



13.8408, 0.5892, 0.3019



13.8408, 0.5427, 0.4535



13.8408, 0.0968, 0.2628



13.8408, 0.1021, 0.1379

Sweetspot

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



13.8434, 0.5892, 0.3019



57.4239, 0.3622, 0.3078



11.0688, 0.2497, 0.1149



11.3314, 0.3719, 0.3047



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.



13.8434, 0.5892, 0.3019



21.6817, 0.5919, 0.3034



15.4563, 0.6158, 0.3493



11.8595, 0.3249, 0.3228



8.5481, 0.5855, 0.2999



0.4913, 0.5321, 0.2705

Inverse Universe

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



13.8434, 0.5892, 0.3019



21.6817, 0.5919, 0.3034



31.0583, 0.2047, 0.2571



11.8595, 0.3249, 0.3228



8.5481, 0.5855, 0.2999



0.4913, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 13.8408, 0.5892, 0.3019 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 13.8408, 0.5892, 0.3019 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 13.8408, 0.5892, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 13.8408, 0.5892, 0.3019.



This preview shows how white text looks on a background with the Yxy color 13.8408, 0.5892, 0.3019.

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

13.8408, 0.5892, 0.3019

Protanopia

14.4589, 0.3524, 0.3757

Deuteranopia

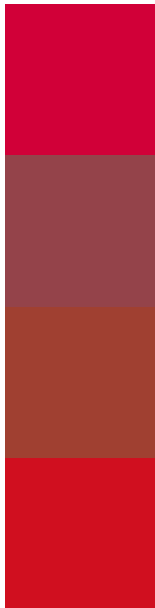
14.4024, 0.4366, 0.4295



Tritanopia

14.0601, 0.6246, 0.3325

Trichromacy



Original Color

13.8408, 0.5892, 0.3019

Protanomaly

10.8046, 0.4545, 0.3177

Deuteranomaly

11.3621, 0.5202, 0.3501

Tritanomaly

13.8505, 0.6167, 0.3232

Monochromacy



Original Color

13.8408, 0.5892, 0.3019

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.1646, 0.4500, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8408, 0.5892, 0.3019 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(209, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 56)  
}
```

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(209, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 56) }
```

Border

The CSS property to change the border of an element to Yxy 13.8408, 0.5892, 0.3019 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(209, 0, 56) }
```

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

```
.border{ border-color:rgb(209, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8408, 0.5892, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 56) }
```

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

```
.background{ background-color: rgb(209, 0,  
56) }
```

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