

Converting Colors

$Y_{xy}(12.1658, 0.5793, 0.3019)$

Have a look what the booklet for
Yxy(12.1658, 0.5793, 0.3019)
contains.

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Color

Yxy(12.1658, 0.5800, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	C30D37
RGB	195, 13, 55
RGB Percent	76%, 5%, 22%
CMY	0.2353, 0.9491, 0.7842
CMYK	0.00, 0.93, 0.72, 0.24
HSL	346°, 88%, 41%
HSV	346°, 93%, 76%
XYZ	23.3416, 12.1658, 4.7367
YIQ	72.2060, 94.9900, 51.6460

Conversions

Conversions Part 2

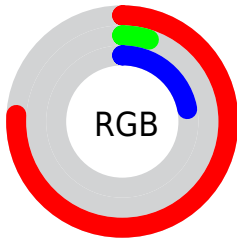
Format	Color
RYB	195, 13, 55
Decimal	12782903
CIELab	41.48, 65.36, 28.76
CIElCh	41, 71.409, 23.751
Yxy	12.1658, 0.5800, 0.3023
Android (android.graphics.Color)	4290972983 (0xFFC30D37)
YUV	72.2060, -8.4826, 107.6903
Hunter-Lab	34.8795, 58.4142, 16.3639

Details

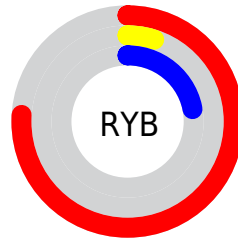
The Yxy color **12.1658, 0.5800, 0.3023** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **41.4175, 0.2454, 0.3997**, and the grayscale version is **6.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0357, 0.5126, 0.3164**, and **5.0156, 0.6249, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **11.7932, 0.5996, 0.3077**, and if you desaturate by 10%, it is **13.1045, 0.5450, 0.2958**.

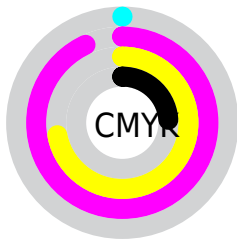
Distribution



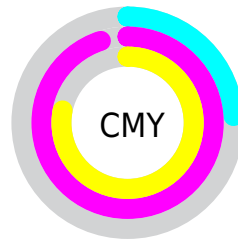
- Red (76%)
- Green (5%)
- Blue (22%)



- Red (76%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (93%)
- Yellow (72%)
- Black (24%)





- Cyan (24%)
- Magenta (95%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1658, 0.5800, 0.3023 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 12.1658, 0.5800, 0.3023 by changing the saturation by 10% instead.


 12.1658, 0.5800,
0.3023

 12.1658, 0.5800,
0.3023


205.4999, 0.4201,
0.3296


 6.8567, 0.6273,
0.2873


 29.7967, 0.5157,
0.3174

 3.3726, 0.6922,
0.2628

 42.8873, 0.4933,
0.3213

 1.3292, 0.7803,
0.2197

 59.3406, 0.4751,
0.3240

 0.1637, 0.9283,
0.0717

 79.5408, 0.4602,
0.3259

 0.0000, 1.0000,
0.0000

 103.8725, 0.4477,
0.3272

 0.0000, 0.0000,
0.0000

 132.7199, 0.4371,

0.3282

166.4676, 0.4280,
0.3290

■ 12.1658, 0.5800,
0.3023

■ 12.1658, 0.5800,
0.3023

■ 11.7932, 0.5996,
0.3077

■ 13.1045, 0.5450,
0.2958

■ 14.7132, 0.5056,
0.2931

■ 17.0909, 0.4662,
0.2941

■ 20.3195, 0.4299,
0.2977

■ 24.4703, 0.3982,
0.3029

■ 29.6072, 0.3715,
0.3089

■ 35.7881, 0.3495,
0.3152

■ 43.0666, 0.3315,
0.3213

■ 51.4927, 0.3169,
0.3271

Harmonies

Analogous

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



12.1658, 0.4611, 0.2278



12.1658, 0.5800, 0.3023



12.1658, 0.5852, 0.3840

Triad

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



12.1658, 0.5800, 0.3023



12.1658, 0.2628, 0.6114



12.1658, 0.1172, 0.1357

Complementary

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



12.1658, 0.5800, 0.3023



41.4175, 0.2454, 0.3997

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.



12.1658, 0.0928, 0.1710



12.1658, 0.5800, 0.3023



12.1658, 0.1571, 0.4551

Square

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



12.1658, 0.5800, 0.3023



12.1658, 0.3880, 0.5911



12.1658, 0.1020, 0.2690



12.1658, 0.1811, 0.1370

Rectangle

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



12.1658, 0.5800, 0.3023



12.1658, 0.5412, 0.4512



12.1658, 0.1020, 0.2690



12.1658, 0.1053, 0.1426

Sweetspot

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



12.1666, 0.5800, 0.3023



58.2206, 0.3601, 0.3120



10.9547, 0.2663, 0.1266



11.7256, 0.3702, 0.3093



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.



12.1666, 0.5800, 0.3023



21.0884, 0.6030, 0.3096



15.0251, 0.5878, 0.3638



10.1152, 0.3253, 0.3237



7.6751, 0.5964, 0.3059



0.3426, 0.5319, 0.2704

Inverse Universe

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



12.1666, 0.5800, 0.3023



21.0884, 0.6030, 0.3096



24.7275, 0.2028, 0.2462



10.1152, 0.3253, 0.3237



7.6751, 0.5964, 0.3059



0.3426, 0.5319, 0.2704

Previews

White Background



This preview shows how the Yxy color 12.1658, 0.5800, 0.3023 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 12.1658, 0.5800, 0.3023 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 12.1658, 0.5800, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 12.1658, 0.5800, 0.3023.



This preview shows how white text looks on a background with the Yxy color 12.1658, 0.5800, 0.3023.

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

12.1658, 0.5800, 0.3023

Protanopia

12.5361, 0.3461, 0.3673

Deuteranopia

12.5848, 0.4308, 0.4257



Tritanopia

12.2187, 0.6174, 0.3319

Trichromacy



Original Color

12.1658, 0.5800, 0.3023

Protanomaly

10.0054, 0.4416, 0.3221

Deuteranomaly

10.3919, 0.5054, 0.3539

Tritanomaly

12.1155, 0.6080, 0.3232

Monochromacy



Original Color

12.1658, 0.5800, 0.3023

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5429, 0.4327, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1658, 0.5800, 0.3023 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(195, 13, 55)` looks like.

```
.text, #text, p{  
  color:rgb(195, 13, 55)  
}
```

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(195, 13, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 13, 55) }
```

Border

The CSS property to change the border of an element to Yxy 12.1658, 0.5800, 0.3023 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(195, 13, 55) }
```

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

```
.border{ border-color:rgb(195, 13, 55) }
```

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

Here you see how a box with a 4 pixel rgb(195, 13, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 13, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 13, 55);  
box-shadow:4px 4px 4px 4px rgb(195, 13,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1658, 0.5800, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 13, 55) }
```

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

```
.background{ background-color: rgb(195, 13,  
55) }
```

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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