

Converting Colors

$Y_{xy}(12.8803, 0.5173, 0.2623)$

Have a look what the booklet for
Yxy(12.8803, 0.5173, 0.2623)
contains.

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Color

Yxy(12.8803, 0.5173, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	C7005A
RGB	199, 0, 90
RGB Percent	78%, 0%, 35%
CMY	0.2195, 1.0000, 0.6470
CMYK	0.00, 1.00, 0.55, 0.22
HSL	333°, 100%, 39%
HSV	333°, 100%, 78%
XYZ	25.4021, 12.8803, 10.8228
YIQ	69.7610, 89.7140, 70.1780

Conversions

Conversions Part 2

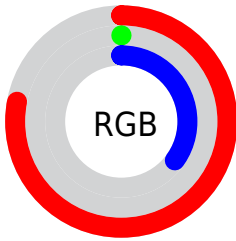
Format	Color
R_{YB}	199, 0, 90
Decimal	13041754
CIE Lab	42.58, 69.56, 8.36
CIE LCh	43, 70.058, 6.852
Yxy	12.8803, 0.5173, 0.2623
Android (android.graphics.Color)	4291231834 (0xFFC7005A)
YUV	69.7610, 9.9778, 113.3426
Hunter-Lab	35.8891, 63.5353, 7.2428

Details

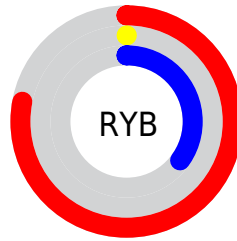
The Yxy color **12.8803, 0.5173, 0.2623** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **41.9581, 0.2681, 0.4851**, and the grayscale version is **6.0559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8090, 0.4604, 0.2784**, and **5.5927, 0.5609, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **12.8826, 0.5173, 0.2623**, and if you desaturate by 10%, it is **13.5789, 0.4910, 0.2549**.

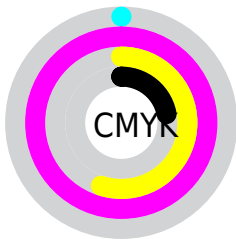
Distribution



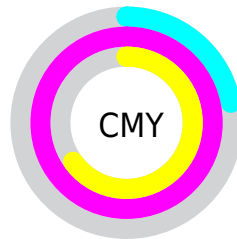
- Red (78%)
- Green (0%)
- Blue (35%)



- Red (78%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8803, 0.5173, 0.2623 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 12.8803, 0.5173, 0.2623 by changing the saturation by 10% instead.


 12.8803, 0.5173,
0.2623


 12.8803, 0.5173,
0.2623


210.1491, 0.3947,
0.3048


 7.3462, 0.5560,
0.2474


 31.0886, 0.4670,
0.2806


 3.6795, 0.6108,
0.2253

 44.5315, 0.4499,
0.2865

 1.4960, 0.6916,
0.1900

 61.3795, 0.4362,
0.2912

 0.2859, 0.8991,
0.1009

 82.0169, 0.4249,
0.2950

 0.0000, 1.0000,
0.0000

 106.8282, 0.4155,
0.2981

 0.0000, 0.0000,
0.0000

 136.1977, 0.4075,

0.3007

170.5099, 0.4007,
0.3029

■ 12.8803, 0.5173,
0.2623

■ 12.8803, 0.5173,
0.2623

■ 12.8826, 0.5173,
0.2623

■ 13.5789, 0.4910,
0.2549

■ 14.8142, 0.4635,
0.2522

■ 16.7679, 0.4361,
0.2546

■ 19.5345, 0.4102,
0.2612

■ 23.1937, 0.3869,
0.2708

■ 27.8160, 0.3666,
0.2820

■ 33.4643, 0.3493,
0.2941

■ 40.1964, 0.3347,
0.3062

■ 48.0658, 0.3227,
0.3179

Harmonies

Analogous

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



12.8803, 0.3668, 0.1952



12.8803, 0.5173, 0.2623



12.8803, 0.5877, 0.3388

Triad

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



12.8803, 0.5173, 0.2623



12.8803, 0.3344, 0.6073



12.8803, 0.1041, 0.1549

Complementary

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



12.8803, 0.5173, 0.2623



41.9581, 0.2681, 0.4851

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.



12.8803, 0.0986, 0.2203



12.8803, 0.5173, 0.2623



12.8803, 0.2168, 0.5519

Square

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



12.8803, 0.5173, 0.2623



12.8803, 0.4570, 0.5319



12.8803, 0.1318, 0.3645



12.8803, 0.1437, 0.1372

Rectangle

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



12.8803, 0.5173, 0.2623



12.8803, 0.5734, 0.3949



12.8803, 0.1318, 0.3645



12.8803, 0.0987, 0.1700

Sweetspot

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



12.8826, 0.5173, 0.2623



58.1093, 0.3500, 0.2935



7.1971, 0.2085, 0.0922



11.4914, 0.3571, 0.2883



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.



12.8826, 0.5173, 0.2623



22.5055, 0.5207, 0.2642



12.2882, 0.6379, 0.3317



10.7154, 0.3220, 0.3186



8.2996, 0.5140, 0.2605



0.4075, 0.4636, 0.2327

Inverse Universe

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



12.8826, 0.5173, 0.2623



22.5055, 0.5207, 0.2642



41.9912, 0.2218, 0.3185



10.7154, 0.3220, 0.3186



8.2996, 0.5140, 0.2605



0.4075, 0.4636, 0.2327

Previews

White Background



This preview shows how the Yxy color 12.8803, 0.5173, 0.2623 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 12.8803, 0.5173, 0.2623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

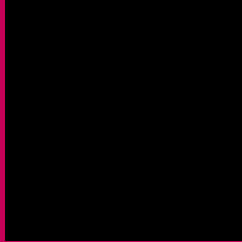
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8803, 0.5173, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 12.8803, 0.5173, 0.2623.



This preview shows how white text looks on a background with the Yxy color 12.8803, 0.5173, 0.2623.

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

12.8803, 0.5173, 0.2623

Protanopia

13.6282, 0.2698, 0.2689

Deuteranopia

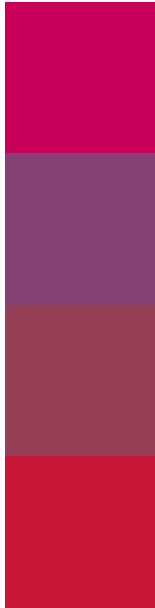
13.5259, 0.3698, 0.3643



Tritanopia

13.2534, 0.5975, 0.3305

Trichromacy



Original Color

12.8803, 0.5173, 0.2623

Protanomaly

10.0281, 0.3468, 0.2364

Deuteranomaly

10.6005, 0.4366, 0.2927

Tritanomaly

12.8944, 0.5782, 0.3070

Monochromacy



Original Color

12.8803, 0.5173, 0.2623

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.1945, 0.4088, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8803, 0.5173, 0.2623 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(199, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 90)  
}
```

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(199, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.8803, 0.5173, 0.2623 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(199, 0, 90) }
```

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

```
.border{ border-color:rgb(199, 0, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8803, 0.5173, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 90) }
```

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

```
.background{ background-color: rgb(199, 0,  
90) }
```

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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