

Converting Colors

$Y_{xy}(12.9552, 0.5207, 0.2659)$

Have a look what the booklet for
Yxy(12.9552, 0.5207, 0.2659)
contains.

Yxy(12.9552, 0.5207, 0.2659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9552, 0.5207, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	C70558
RGB	199, 5, 88
RGB Percent	78%, 2%, 35%
CMY	0.2196, 0.9803, 0.6549
CMYK	0.00, 0.97, 0.56, 0.22
HSL	334°, 95%, 40%
HSV	334°, 97%, 78%
XYZ	25.3696, 12.9552, 10.3973
YIQ	72.4680, 88.9810, 66.9410

Conversions

Conversions Part 2

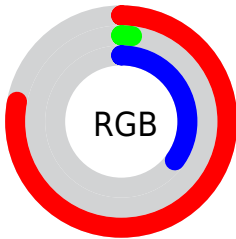
Format	Color
R_{YB}	199, 5, 88
Decimal	13043032
CIE _{Lab}	42.70, 68.93, 9.78
CIE _{LCh}	43, 69.623, 8.079
Yxy	12.9552, 0.5207, 0.2659
Android (android.graphics.Color)	4291233112 (0xFFC70558)
YUV	72.4680, 7.6573, 110.9686
Hunter-Lab	35.9933, 62.8258, 8.0684

Details

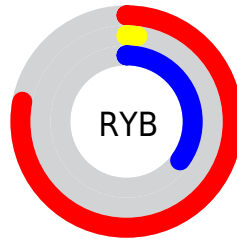
The Yxy color **12.9552, 0.5207, 0.2659** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **42.1414, 0.2650, 0.4725**, and the grayscale version is **6.5421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8825, 0.4643, 0.2822**, and **5.5777, 0.5662, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **12.8004, 0.5276, 0.2680**, and if you desaturate by 10%, it is **13.7425, 0.4930, 0.2589**.

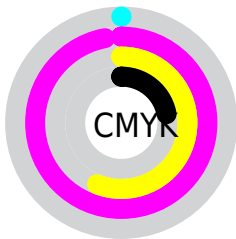
Distribution



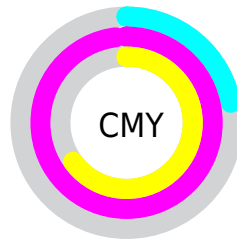
- Red (78%)
- Green (2%)
- Blue (35%)



- Red (78%)
- Yellow (2%)
- Blue (35%)



- Cyan (0%)
- Magenta (97%)
- Yellow (56%)
- Black (22%)





- Cyan (22%)
- Magenta (98%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9552, 0.5207, 0.2659 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 12.9552, 0.5207, 0.2659 by changing the saturation by 10% instead.


 12.9552, 0.5207,
0.2659


 12.9552, 0.5207,
0.2659


210.6304, 0.3961,
0.3067


 7.3977, 0.5600,
0.2513


 31.2233, 0.4696,
0.2836


 3.7120, 0.6154,
0.2294

 44.7026, 0.4522,
0.2894

 1.5138, 0.6972,
0.1942

 61.5914, 0.4383,
0.2939

 0.2984, 0.8949,
0.1051

 82.2740, 0.4268,
0.2975

 0.0000, 1.0000,
0.0000

 107.1348, 0.4172,
0.3004

 0.0000, 0.0000,
0.0000

 136.5582, 0.4091,

0.3029

170.9286, 0.4021,
0.3050

■ 12.9552, 0.5207,
0.2659

■ 12.9552, 0.5207,
0.2659

■ 12.8004, 0.5276,
0.2680

■ 13.7425, 0.4930,
0.2589

■ 15.1481, 0.4638,
0.2570

■ 17.2999, 0.4352,
0.2600

■ 20.2881, 0.4085,
0.2669

■ 24.1900, 0.3847,
0.2764

■ 29.0740, 0.3641,
0.2873

■ 35.0018, 0.3467,
0.2988

■ 42.0301, 0.3322,
0.3102

■ 50.2115, 0.3203,
0.3212

Harmonies

Analogous

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



12.9552, 0.3729, 0.1983



12.9552, 0.5207, 0.2659



12.9552, 0.5863, 0.3425

Triad

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



12.9552, 0.5207, 0.2659



12.9552, 0.3299, 0.6065



12.9552, 0.1061, 0.1545

Complementary

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



12.9552, 0.5207, 0.2659



42.1414, 0.2650, 0.4725

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.



12.9552, 0.0993, 0.2172



12.9552, 0.5207, 0.2659



12.9552, 0.2134, 0.5436

Square

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



12.9552, 0.5207, 0.2659



12.9552, 0.4516, 0.5349



12.9552, 0.1306, 0.3569



12.9552, 0.1471, 0.1382

Rectangle

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



12.9552, 0.5207, 0.2659



12.9552, 0.5699, 0.3989



12.9552, 0.1306, 0.3569



12.9552, 0.1002, 0.1689

Sweetspot

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



12.9560, 0.5207, 0.2659



59.1163, 0.3499, 0.2966



7.8734, 0.2180, 0.0985



11.6766, 0.3573, 0.2916



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.



12.9560, 0.5207, 0.2659



22.3661, 0.5311, 0.2699



12.5844, 0.6312, 0.3338



10.7110, 0.3224, 0.3192



8.2476, 0.5242, 0.2661



0.4050, 0.4714, 0.2371

Inverse Universe

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



12.9560, 0.5207, 0.2659



22.3661, 0.5311, 0.2699



39.3032, 0.2194, 0.3085



10.7110, 0.3224, 0.3192



8.2476, 0.5242, 0.2661



0.4050, 0.4714, 0.2371

Previews

White Background



This preview shows how the Yxy color 12.9552, 0.5207, 0.2659 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 12.9552, 0.5207, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

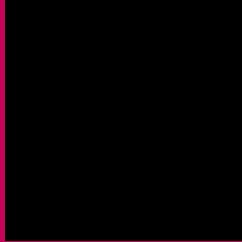
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9552, 0.5207, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 12.9552, 0.5207, 0.2659.



This preview shows how white text looks on a background with the Yxy color 12.9552, 0.5207, 0.2659.

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

12.9552, 0.5207, 0.2659

Protanopia

13.6026, 0.2742, 0.2747

Deuteranopia

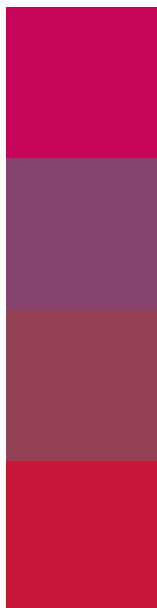
13.4959, 0.3728, 0.3685



Tritanopia

13.1879, 0.5994, 0.3305

Trichromacy



Original Color

12.9552, 0.5207, 0.2659

Protanomaly

10.2749, 0.3535, 0.2451

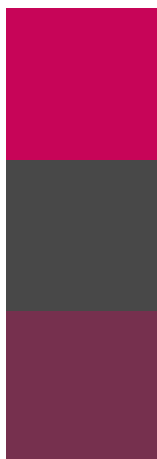
Deuteranomaly

10.7947, 0.4393, 0.2992

Tritanomaly

12.9254, 0.5793, 0.3084

Monochromacy



Original Color

12.9552, 0.5207, 0.2659

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5155, 0.4065, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9552, 0.5207, 0.2659 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, 5, 88)` looks like.

```
.text, #text, p{  
    color:rgb(199, 5, 88)  
}
```

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, 5, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 5, 88) }
```

Border

The CSS property to change the border of an element to Yxy 12.9552, 0.5207, 0.2659 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, 5, 88) }
```

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

```
.border{ border-color:rgb(199, 5, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 5, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 5, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 5, 88);  
box-shadow:4px 4px 4px 4px rgb(199, 5, 88)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9552, 0.5207, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 5, 88) }
```

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

```
.background{ background-color: rgb(199, 5,  
88) }
```

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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