

Converting Colors

$Y_{xy}(27.2120, 0.3587, 0.2756)$

Have a look what the booklet for
Yxy(27.2120, 0.3587, 0.2756)
contains.

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Color

Yxy(27.1958, 0.3590, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	C4769F
RGB	196, 118, 159
RGB Percent	77%, 46%, 62%
CMY	0.2314, 0.5372, 0.3763
CMYK	0.00, 0.40, 0.19, 0.23
HSL	328°, 40%, 62%
HSV	328°, 40%, 77%
XYZ	35.5029, 27.1958, 36.1951
YIQ	145.9960, 33.3270, 29.2870

Conversions

Conversions Part 2

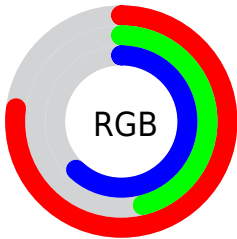
Format	Color
R_{YB}	196, 118, 159
Decimal	12875423
CIE _{Lab}	59.16, 36.15, -8.97
CIE _{LCh}	59, 37.242, 346.066
Yxy	27.1958, 0.3590, 0.2750
Android (android.graphics.Color)	4291065503 (0xFFC4769F)
YUV	145.9960, 6.4110, 43.8535
Hunter-Lab	52.1496, 30.2591, -4.6463

Details

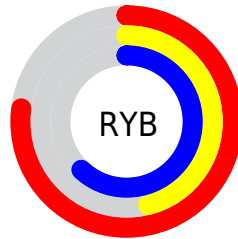
The Yxy color **27.1958, 0.3590, 0.2750** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **45.6949, 0.2834, 0.3909**, and the grayscale version is **28.7071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0517, 0.3496, 0.2848**, and **10.7597, 0.3747, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **22.7400, 0.3762, 0.2620**, and if you desaturate by 10%, it is **32.6374, 0.3442, 0.2889**.

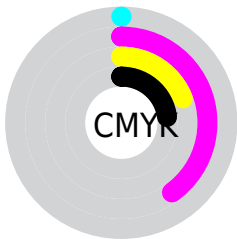
Distribution



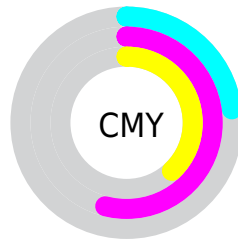
- Red (77%)
- Green (46%)
- Blue (62%)



- Red (77%)
- Yellow (46%)
- Blue (62%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (23%)





- Cyan (23%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1958, 0.3590, 0.2750 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 27.1958, 0.3590, 0.2750 by changing the saturation by 10% instead.

 27.1958, 0.3590,
0.2750


 27.1958, 0.3590,
0.2750

288.6039, 0.3344,
0.3032


 17.7203, 0.3657,
0.2675


 55.1979, 0.3497,
0.2856

 10.7494, 0.3745,
0.2577


 74.4933, 0.3463,
0.2894

 5.8986, 0.3870,
0.2442


 97.8309, 0.3435,
0.2927

 2.7835, 0.4055,
0.2246

125.5949, 0.3411,
0.2954

 1.0198, 0.4361,
0.1935

158.1698, 0.3391,
0.2978

 0.0000, 0.6018,
0.0000

195.9400, 0.3373,

 0.0000, 0.0000,

0.2998

0.0000

239.2899, 0.3358,
0.3016

■ 27.1958, 0.3590,
0.2750

■ 27.1958, 0.3590,
0.2750

■ 22.7400, 0.3762,
0.2620

■ 32.6374, 0.3442,
0.2889

■ 19.2059, 0.3956,
0.2507

■ 39.1162, 0.3317,
0.3028

■ 16.5275, 0.4171,
0.2423


■ 46.6845, 0.3213,
0.3164


■ 14.6285, 0.4399,
0.2382


■ 55.3901, 0.3126,
0.3293


■ 13.4188, 0.4628,
0.2391

■ 65.2778, 0.3053,
0.3413


 12.7295, 0.4852,
0.2448

 76.3900, 0.2994,
0.3525

 12.7168, 0.4857,
0.2449

 88.6398, 0.2944,
0.3625

 89.1578, 0.2895,
0.3522

 89.7037, 0.2847,
0.3421

Harmonies

Analogous

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



27.1958, 0.2954, 0.2448



27.1958, 0.3590, 0.2750



27.1958, 0.4131, 0.3174

Triad

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



27.1958, 0.3590, 0.2750



27.1958, 0.3791, 0.4395



27.1958, 0.2026, 0.2736

Complementary

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



27.1958, 0.3590, 0.2750



45.6949, 0.2834, 0.3909

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.



27.1958, 0.2201, 0.3291



27.1958, 0.3590, 0.2750



27.1958, 0.3200, 0.4363

Square

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



27.1958, 0.3590, 0.2750



27.1958, 0.4228, 0.4099



27.1958, 0.2619, 0.3930



27.1958, 0.2105, 0.2409

Rectangle

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



27.1958, 0.3590, 0.2750



27.1958, 0.4331, 0.3490



27.1958, 0.2619, 0.3930



27.1958, 0.2056, 0.2899

Sweetspot

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



27.1971, 0.3590, 0.2750



81.1076, 0.3236, 0.3132



23.8520, 0.2739, 0.2189



16.9599, 0.3249, 0.3114



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.



27.1971, 0.3590, 0.2750



41.9568, 0.3743, 0.2632



26.0634, 0.4084, 0.3258



10.1644, 0.3209, 0.3169



8.1890, 0.4828, 0.2433



0.3677, 0.4372, 0.2182

Inverse Universe

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



27.1971, 0.3590, 0.2750



41.9568, 0.3743, 0.2632



47.1975, 0.2599, 0.3325



10.1644, 0.3209, 0.3169



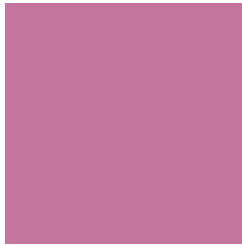
8.1890, 0.4828, 0.2433



0.3677, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 27.1958, 0.3590, 0.2750 looks on a white background.

Color Contrast Check

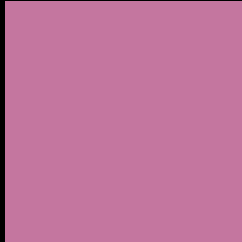
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.1958, 0.3590, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

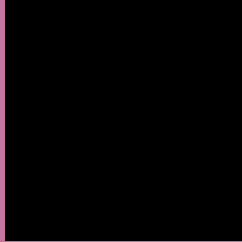
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1958, 0.3590, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 27.1958, 0.3590, 0.2750.



This preview shows how white text looks on a background with the Yxy color 27.1958, 0.3590, 0.2750.

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

27.1958, 0.3590, 0.2750

Protanopia

27.2566, 0.2763, 0.2773

Deuteranopia

27.4111, 0.3096, 0.3041



Tritanopia

27.1693, 0.3877, 0.3169

Trichromacy



Original Color

27.1958, 0.3590, 0.2750

Protanomaly

26.8077, 0.3023, 0.2752

Deuteranomaly

26.8484, 0.3268, 0.2920

Tritanomaly

27.0971, 0.3770, 0.3008

Monochromacy



Original Color

27.1958, 0.3590, 0.2750

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.7352, 0.3282, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1958, 0.3590, 0.2750 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(196, 118, 159)` looks like.

```
.text, #text, p{  
    color:rgb(196, 118, 159)  
}
```

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(196, 118, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 118, 159) }
```

Border

The CSS property to change the border of an element to Yxy 27.1958, 0.3590, 0.2750 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(196, 118, 159) }
```

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

```
.border{ border-color:rgb(196, 118, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 118, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 118, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 118, 159);  
box-shadow:4px 4px 4px 4px rgb(196, 118,  
159) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.1958, 0.3590, 0.2750$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 118, 159) }
```

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

```
.background{ background-color: rgb(196,  
118, 159) }
```

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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