

Converting Colors

$Y_{xy}(27.9318, 0.3523, 0.2650)$

Have a look what the booklet for
Yxy(27.9318, 0.3523, 0.2650)
contains.

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Color

Yxy(27.9261, 0.3516, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	C776A8
RGB	199, 118, 168
RGB Percent	78%, 46%, 66%
CMY	0.2197, 0.5372, 0.3412
CMYK	0.00, 0.41, 0.16, 0.22
HSL	323°, 42%, 62%
HSV	323°, 41%, 78%
XYZ	37.0941, 27.9261, 40.4807
YIQ	147.9190, 32.2260, 32.7220

Conversions

Conversions Part 2

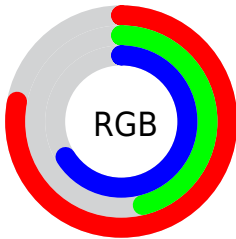
Format	Color
R _Y B	199, 118, 168
Decimal	13072040
CIE Lab	59.82, 38.57, -13.08
CIE LCh	60, 40.732, 341.263
Yxy	27.9261, 0.3516, 0.2647
Android (android.graphics.Color)	4291262120 (0xFFC776A8)
YUV	147.9190, 9.8999, 44.7980
Hunter-Lab	52.8452, 32.8173, -8.4260

Details

The Yxy color $27.9261, 0.3516, 0.2647$ is a light color, and the websafe version is hex $CC6699$. A complement of this color would be $46.8575, 0.2875, 0.4043$, and the grayscale version is $29.5281, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0928, 0.3425, 0.2772$, and $11.1149, 0.3631, 0.2448$ is the 20% darker color. If you saturate the color by 10%, you get $23.4486, 0.3653, 0.2497$, and if you desaturate by 10%, it is $33.4113, 0.3396, 0.2807$.

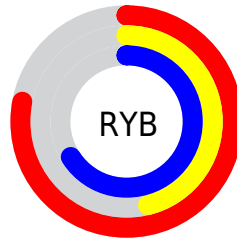
Distribution



Red (78%)

Green (46%)

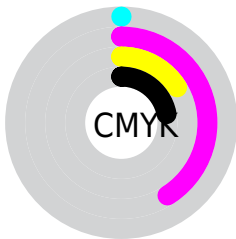
Blue (66%)



Red (78%)

Yellow (46%)

Blue (66%)

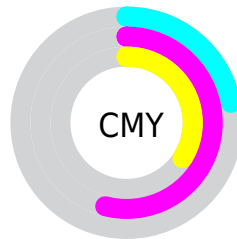


Cyan (0%)

Magenta (41%)

Yellow (16%)

Black (22%)



Cyan (22%)


Magenta (54%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9261, 0.3516, 0.2647 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 27.9261, 0.3516, 0.2647 by changing the saturation by 10% instead.


 27.9261, 0.3516,
0.2647


 27.9261, 0.3516,
0.2647


292.1136, 0.3314,
0.2978


 18.2700, 0.3569,
0.2562


 56.3664, 0.3441,
0.2769

 11.1440, 0.3638,
0.2451


 75.9194, 0.3413,
0.2815

 6.1638, 0.3734,
0.2300


 99.5401, 0.3390,
0.2853

 2.9449, 0.3871,
0.2086

127.6130, 0.3370,
0.2885

 1.1030, 0.4086,
0.1761

160.5224, 0.3353,
0.2913

 0.0000, 0.5089,
0.0000

198.6527, 0.3338,

 0.0000, 0.0000,

0.2938

0.0000

242.3883, 0.3325,
0.2959

■ 27.9261, 0.3516,
0.2647

■ 27.9261, 0.3516,
0.2647

■ 23.4486, 0.3653,
0.2497

■ 33.4113, 0.3396,
0.2807

■ 19.9119, 0.3806,
0.2367

■ 39.9576, 0.3293,
0.2969

■ 17.2472, 0.3972,
0.2268

■ 47.6196, 0.3205,
0.3128


■ 15.3744, 0.4145,
0.2212

■ 56.4468, 0.3132,
0.3280


■ 14.1986, 0.4318,
0.2206

■ 66.4856, 0.3070,
0.3423

 13.5647, 0.4477,
0.2240

 77.7802, 0.3019,
0.3556

 88.8945, 0.2976,
0.3655

 89.3103, 0.2935,
0.3570

 89.7447, 0.2895,
0.3486

Harmonies

Analogous

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



27.9261, 0.2833, 0.2352



27.9261, 0.3516, 0.2647



27.9261, 0.4139, 0.3081

Triad

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



27.9261, 0.3516, 0.2647



27.9261, 0.3928, 0.4450



27.9261, 0.1957, 0.2766

Complementary

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



27.9261, 0.3516, 0.2647



46.8575, 0.2875, 0.4043

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.



27.9261, 0.2184, 0.3398



27.9261, 0.3516, 0.2647



27.9261, 0.3304, 0.4497

Square

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



27.9261, 0.3516, 0.2647



27.9261, 0.4363, 0.4081



27.9261, 0.2666, 0.4089



27.9261, 0.1999, 0.2378

Rectangle

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



27.9261, 0.3516, 0.2647



27.9261, 0.4396, 0.3414



27.9261, 0.2666, 0.4089



27.9261, 0.2003, 0.2954

Sweetspot

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



27.9274, 0.3516, 0.2647



81.2753, 0.3217, 0.3105



23.3523, 0.2648, 0.2137



16.9994, 0.3229, 0.3084



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.



27.9274, 0.3516, 0.2647



41.7530, 0.3639, 0.2511



26.6803, 0.4010, 0.3149



10.7452, 0.3195, 0.3148



8.7425, 0.4455, 0.2228



0.4278, 0.4129, 0.2048

Inverse Universe

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



27.9274, 0.3516, 0.2647



41.7530, 0.3639, 0.2511



48.3263, 0.2635, 0.3443



10.7452, 0.3195, 0.3148



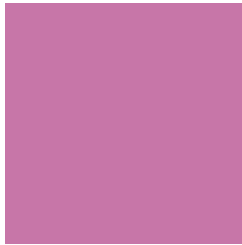
8.7425, 0.4455, 0.2228



0.4278, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 27.9261, 0.3516, 0.2647 looks on a white background.

Color Contrast Check

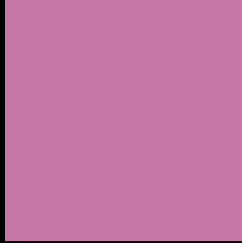
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9261, 0.3516, 0.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

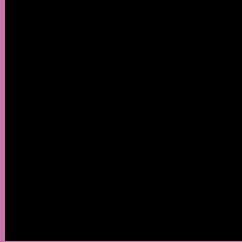
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9261, 0.3516, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 27.9261, 0.3516, 0.2647.



This preview shows how white text looks on a background with the Yxy color 27.9261, 0.3516, 0.2647.

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

27.9261, 0.3516, 0.2647

Protanopia

28.2160, 0.2668, 0.2650

Deuteranopia

28.1196, 0.2988, 0.2936



Tritanopia

27.9906, 0.3867, 0.3170

Trichromacy



Original Color

27.9261, 0.3516, 0.2647

Protanomaly

27.5740, 0.2939, 0.2634

Deuteranomaly

27.7072, 0.3171, 0.2824

Tritanomaly

27.7302, 0.3740, 0.2971

Monochromacy



Original Color

27.9261, 0.3516, 0.2647

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4734, 0.3271, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9261, 0.3516, 0.2647 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, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(199, 118, 168)  
}
```

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, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 118, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.9261, 0.3516, 0.2647 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, 118, 168) }
```

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

```
.border{ border-color:rgb(199, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(199, 118,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9261, 0.3516, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 118, 168) }
```

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

```
.background{ background-color: rgb(199,  
118, 168) }
```

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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