

Converting Colors

$Y_{xy}(29.9242, 0.3588, 0.2863)$

Have a look what the booklet for
Yxy(29.9242, 0.3588, 0.2863)
contains.

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Color

Yxy(29.8589, 0.3591, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	C77FA0
RGB	199, 127, 160
RGB Percent	78%, 50%, 63%
CMY	0.2196, 0.5020, 0.3725
CMYK	0.00, 0.36, 0.20, 0.22
HSL	332°, 39%, 64%
HSV	332°, 36%, 78%
XYZ	37.4907, 29.8589, 37.0522
YIQ	152.2900, 32.3190, 25.5270

Conversions

Conversions Part 2

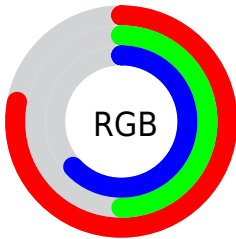
Format	Color
RYB	199, 127, 160
Decimal	13074336
CIELab	61.53, 32.50, -5.95
CIELCh	62, 33.039, 349.617
Yxy	29.8589, 0.3591, 0.2860
Android (android.graphics.Color)	4291264416 (0xFFC77FA0)
YUV	152.2900, 3.8010, 40.9647
Hunter-Lab	54.6433, 26.8428, -1.9527

Details

The Yxy color **29.8589, 0.3591, 0.2860** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **48.1162, 0.2825, 0.3770**, and the grayscale version is **31.5050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2140, 0.3479, 0.2942**, and **12.2023, 0.3745, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **24.8567, 0.3780, 0.2742**, and if you desaturate by 10%, it is **35.9118, 0.3431, 0.2983**.

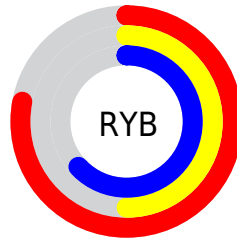
Distribution



Red (78%)

Green (50%)

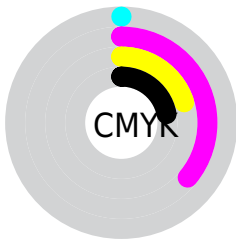
Blue (63%)



Red (78%)

Yellow (50%)

Blue (63%)

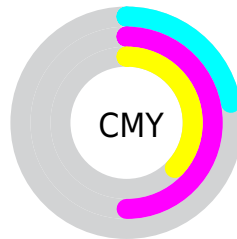


Cyan (0%)

Magenta (36%)

Yellow (20%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8589, 0.3591, 0.2860 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 29.8589, 0.3591, 0.2860 by changing the saturation by 10% instead.


 29.8589, 0.3591,
0.2860

 29.8589, 0.3591,
0.2860


301.2462, 0.3345,
0.3084


 19.7315, 0.3657,
0.2801


 59.4390, 0.3498,
0.2944

 12.2000, 0.3745,
0.2723


 79.6604, 0.3465,
0.2975

 6.8801, 0.3868,
0.2616


 104.0154, 0.3436,
0.3000

 3.3872, 0.4050,
0.2461

132.8882, 0.3413,
0.3022

 1.3371, 0.4350,
0.2214

166.6633, 0.3392,
0.3041

 0.1696, 0.5546,
0.0980

205.7251, 0.3375,

 0.0000, 0.0000,

0.3057

0.0000

250.4579, 0.3359,
0.3072

■ 29.8589, 0.3591,
0.2860

■ 29.8589, 0.3591,
0.2860

■ 24.8567, 0.3780,
0.2742

■ 35.9118, 0.3431,
0.2983

■ 20.8401, 0.3999,
0.2637

■ 43.0672, 0.3297,
0.3104

■ 17.7432, 0.4245,
0.2557


■ 51.3784, 0.3186,
0.3221


■ 15.4904, 0.4511,
0.2514


■ 60.8940, 0.3094,
0.3331

■ 13.9936, 0.4784,
0.2520


■ 71.6598, 0.3019,
0.3433


 13.1411, 0.5048,
0.2579

 83.7194, 0.2957,
0.3527

 12.9031, 0.5146,
0.2609

 89.6877, 0.2901,
0.3498

 90.3312, 0.2845,
0.3382

 90.8835, 0.2800,
0.3289

Harmonies

Analogous

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



29.8589, 0.3044, 0.2576



29.8589, 0.3591, 0.2860



29.8589, 0.4029, 0.3246

Triad

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



29.8589, 0.3591, 0.2860



29.8589, 0.3654, 0.4254



29.8589, 0.2161, 0.2773

Complementary

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



29.8589, 0.3591, 0.2860



48.1162, 0.2825, 0.3770

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.



29.8589, 0.2293, 0.3234



29.8589, 0.3591, 0.2860



29.8589, 0.3136, 0.4173

Square

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



29.8589, 0.3591, 0.2860



29.8589, 0.4050, 0.4042



29.8589, 0.2640, 0.3775



29.8589, 0.2256, 0.2505

Rectangle

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



29.8589, 0.3591, 0.2860



29.8589, 0.4178, 0.3527



29.8589, 0.2640, 0.3775



29.8589, 0.2180, 0.2908

Sweetspot

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



29.8603, 0.3591, 0.2860



82.4509, 0.3238, 0.3164



27.3449, 0.2830, 0.2310



17.2236, 0.3254, 0.3148



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.



29.8603, 0.3591, 0.2860



45.5864, 0.3729, 0.2771



29.4814, 0.3979, 0.3324



10.7165, 0.3219, 0.3185



8.3133, 0.5114, 0.2591



0.4082, 0.4616, 0.2316

Inverse Universe

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



29.8603, 0.3591, 0.2860



45.5864, 0.3729, 0.2771



48.3913, 0.2619, 0.3255



10.7165, 0.3219, 0.3185



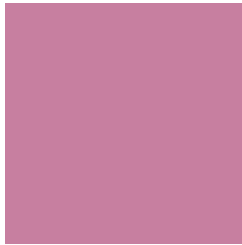
8.3133, 0.5114, 0.2591



0.4082, 0.4616, 0.2316

Previews

White Background



This preview shows how the Yxy color 29.8589, 0.3591, 0.2860 looks on a white background.

Color Contrast Check

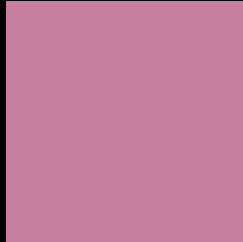
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8589, 0.3591, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

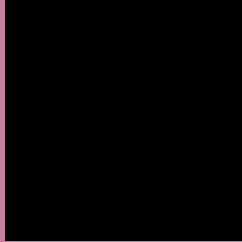
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8589, 0.3591, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 29.8589, 0.3591, 0.2860.



This preview shows how white text looks on a background with the Yxy color 29.8589, 0.3591, 0.2860.

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

29.8589, 0.3591, 0.2860

Protanopia

30.1262, 0.2862, 0.2909

Deuteranopia

30.1587, 0.3167, 0.3110



Tritanopia

29.9964, 0.3793, 0.3171

Trichromacy



Original Color

29.8589, 0.3591, 0.2860

Protanomaly

29.4758, 0.3104, 0.2882

Deuteranomaly

29.6443, 0.3314, 0.3003

Tritanomaly

30.0776, 0.3725, 0.3066

Monochromacy



Original Color

29.8589, 0.3591, 0.2860

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4465, 0.3284, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8589, 0.3591, 0.2860 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, 127, 160)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 160)  
}
```

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, 127, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 160) }
```

Border

The CSS property to change the border of an element to Yxy 29.8589, 0.3591, 0.2860 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, 127, 160) }
```

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

```
.border{ border-color:rgb(199, 127, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 127, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 127, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 127, 160);  
box-shadow:4px 4px 4px 4px rgb(199, 127,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8589, 0.3591, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 160) }
```

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

```
.background{ background-color: rgb(199,  
127, 160) }
```

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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