

Converting Colors

$Y_{xy}(31.2667, 0.3590, 0.2795)$

Have a look what the booklet for
Yxy(31.2667, 0.3590, 0.2795)
contains.

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Color

Yxy(31.3502, 0.3585, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	CE80A7
RGB	206, 128, 167
RGB Percent	81%, 50%, 65%
CMY	0.1921, 0.4981, 0.3450
CMYK	0.00, 0.38, 0.19, 0.19
HSL	330°, 44%, 65%
HSV	330°, 38%, 81%
XYZ	40.1538, 31.3502, 40.5010
YIQ	155.7680, 33.9690, 28.6650

Conversions

Conversions Part 2

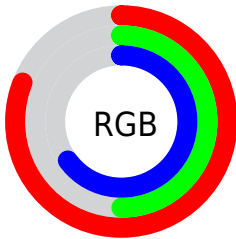
Format	Color
R _Y B	206, 128, 167
Decimal	13533351
CIE Lab	62.80, 35.51, -7.97
CIE LCh	63, 36.393, 347.351
Yxy	31.3502, 0.3585, 0.2799
Android (android.graphics.Color)	4291723431 (0xFFCE80A7)
YUV	155.7680, 5.5374, 44.0535
Hunter-Lab	55.9912, 30.0255, -3.6933

Details

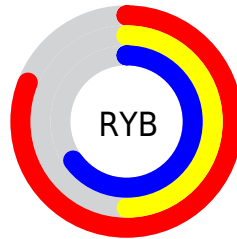
The Yxy color **31.3502, 0.3585, 0.2799** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **51.5328, 0.2832, 0.3846**, and the grayscale version is **33.1014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9898, 0.3420, 0.2883**, and **13.0296, 0.3731, 0.2652** is the 20% darker color. If you saturate the color by 10%, you get **26.1464, 0.3763, 0.2672**, and if you desaturate by 10%, it is **37.6784, 0.3433, 0.2932**.

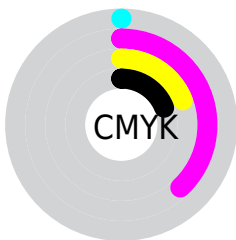
Distribution



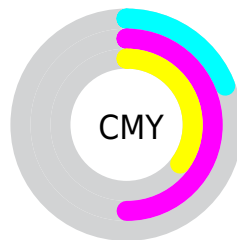
- Red (81%)
- Green (50%)
- Blue (65%)



- Red (81%)
- Yellow (50%)
- Blue (65%)



- Cyan (0%)
- Magenta (38%)
- Yellow (19%)
- Black (19%)




- Cyan (19%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3502, 0.3585, 0.2799 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 31.3502, 0.3585, 0.2799 by changing the saturation by 10% instead.


 31.3502, 0.3585,
0.2799


 31.3502, 0.3585,
0.2799


308.1485, 0.3346,
0.3051

 20.8657, 0.3648,
0.2734


 61.7910, 0.3496,
0.2892

 13.0258, 0.3731,
0.2649


 82.5161, 0.3463,
0.2927

 7.4463, 0.3846,
0.2534


 107.4234, 0.3435,
0.2956

 3.7428, 0.4013,
0.2370

136.8975, 0.3412,
0.2981

 1.5307, 0.4280,
0.2117

171.3226, 0.3392,
0.3002

 0.3102, 0.4997,
0.1288

211.0832, 0.3375,

 0.0000, 1.0000,

0.3020

0.0000

256.5637, 0.3359,
0.3037

0.0000, 0.0000,
0.0000

31.3502, 0.3585,
0.2799

31.3502, 0.3585,
0.2799

26.1464, 0.3763,
0.2672

37.6784, 0.3433,
0.2932

21.9953, 0.3967,
0.2561

45.1881, 0.3305,
0.3065

18.8241, 0.4194,
0.2477


53.9377, 0.3198,
0.3194


16.5483, 0.4437,
0.2433


63.9807, 0.3110,
0.3315

15.0694, 0.4684,
0.2440


75.3672, 0.3037,
0.3428


 14.2447, 0.4924,
0.2499

 88.1447, 0.2977,
0.3533

 14.1052, 0.4974,
0.2514

 90.8837, 0.2921,
0.3456

 91.5104, 0.2867,
0.3347

 91.8653, 0.2838,
0.3289

Harmonies

Analogous

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



31.3502, 0.2992, 0.2507



31.3502, 0.3585, 0.2799



31.3502, 0.4078, 0.3204

Triad

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



31.3502, 0.3585, 0.2799



31.3502, 0.3731, 0.4327



31.3502, 0.2091, 0.2758

Complementary

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



31.3502, 0.3585, 0.2799



51.5328, 0.2832, 0.3846

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.



31.3502, 0.2248, 0.3269



31.3502, 0.3585, 0.2799



31.3502, 0.3175, 0.4273

Square

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



31.3502, 0.3585, 0.2799



31.3502, 0.4146, 0.4069



31.3502, 0.2634, 0.3860



31.3502, 0.2175, 0.2457

Rectangle

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



31.3502, 0.3585, 0.2799



31.3502, 0.4256, 0.3504



31.3502, 0.2634, 0.3860



31.3502, 0.2116, 0.2908

Sweetspot

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



31.3517, 0.3585, 0.2799



82.5204, 0.3231, 0.3152



27.9685, 0.2774, 0.2247



17.2401, 0.3245, 0.3135



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.



31.3517, 0.3585, 0.2799



44.1498, 0.3719, 0.2701



30.1538, 0.4037, 0.3276



11.3057, 0.3213, 0.3175



8.7029, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Inverse Universe

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



31.3517, 0.3585, 0.2799



44.1498, 0.3719, 0.2701



53.1372, 0.2611, 0.3306



11.3057, 0.3213, 0.3175



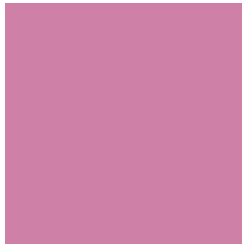
8.7029, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 31.3502, 0.3585, 0.2799 looks on a white background.

Color Contrast Check

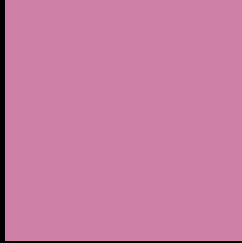
Large Text (above 18pt) WCAG AA × Fail

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 31.3502, 0.3585, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

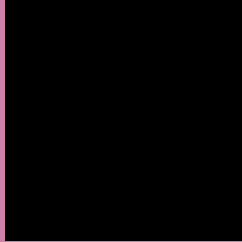
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3502, 0.3585, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 31.3502, 0.3585, 0.2799.



This preview shows how white text looks on a background with the Yxy color 31.3502, 0.3585, 0.2799.

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

31.3502, 0.3585, 0.2799

Protanopia

31.6216, 0.2808, 0.2831

Deuteranopia

31.5055, 0.3127, 0.3069



Tritanopia

31.1520, 0.3833, 0.3162

Trichromacy



Original Color

31.3502, 0.3585, 0.2799

Protanomaly

31.1441, 0.3058, 0.2809

Deuteranomaly

31.1951, 0.3291, 0.2968

Tritanomaly

31.3043, 0.3741, 0.3034

Monochromacy



Original Color

31.3502, 0.3585, 0.2799

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.0945, 0.3282, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3502, 0.3585, 0.2799 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(206, 128, 167)` looks like.

```
.text, #text, p{  
    color:rgb(206, 128, 167)  
}
```

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(206, 128, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 128, 167) }
```

Border

The CSS property to change the border of an element to Yxy 31.3502, 0.3585, 0.2799 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(206, 128, 167) }
```

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

```
.border{ border-color:rgb(206, 128, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 128, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 128, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 128, 167);  
box-shadow:4px 4px 4px 4px rgb(206, 128,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3502, 0.3585, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 128, 167) }
```

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

```
.background{ background-color: rgb(206,  
128, 167) }
```

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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