

Converting Colors

$Y_{xy}(29.6095, 0.3580, 0.2715)$

Have a look what the booklet for
Yxy(29.6095, 0.3580, 0.2715)
contains.

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Color

Yxy(29.6882, 0.3587, 0.2723)

Conversions

Conversions Part 1

Format	Color
Hex	CD7AA7
RGB	205, 122, 167
RGB Percent	80%, 48%, 65%
CMY	0.1961, 0.5215, 0.3451
CMYK	0.00, 0.40, 0.19, 0.20
HSL	327°, 45%, 64%
HSV	327°, 40%, 80%
XYZ	39.1082, 29.6882, 40.2312
YIQ	151.9470, 35.0230, 31.5910

Conversions

Conversions Part 2

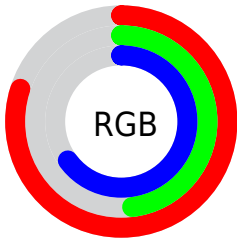
Format	Color
R_{YB}	205, 122, 167
Decimal	13466279
CIE _{Lab}	61.38, 38.34, -10.09
CIE _{LCh}	61, 39.643, 345.249
Yxy	29.6882, 0.3587, 0.2723
Android (android.graphics.Color)	4291656359 (0xFFCD7AA7)
YUV	151.9470, 7.4211, 46.5275
Hunter-Lab	54.4869, 32.7671, -5.6368

Details

The Yxy color **29.6882, 0.3587, 0.2723** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.3308, 0.2837, 0.3945**, and the grayscale version is **31.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5846, 0.3428, 0.2822**, and **12.1338, 0.3735, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **24.8403, 0.3754, 0.2589**, and if you desaturate by 10%, it is **35.6257, 0.3442, 0.2866**.

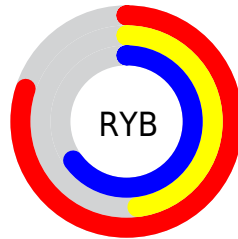
Distribution



Red (80%)

Green (48%)

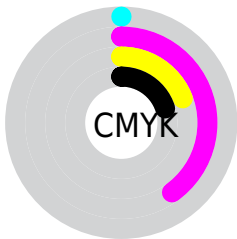
Blue (65%)



Red (80%)

Yellow (48%)

Blue (65%)

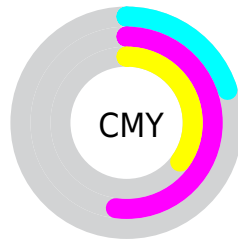


Cyan (0%)

Magenta (40%)

Yellow (19%)

Black (20%)



Cyan (20%)


Magenta (52%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6882, 0.3587, 0.2723 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 29.6882, 0.3587, 0.2723 by changing the saturation by 10% instead.


 29.6882, 0.3587,
0.2723


 29.6882, 0.3587,
0.2723


300.4484, 0.3347,
0.3015


 19.6020, 0.3651,
0.2648


 59.1687, 0.3497,
0.2831

 12.1061, 0.3734,
0.2550


 79.3319, 0.3464,
0.2871

 6.8160, 0.3849,
0.2417


 103.6229, 0.3437,
0.2904

 3.3473, 0.4018,
0.2228

132.4260, 0.3413,
0.2933

 1.3156, 0.4285,
0.1939

166.1257, 0.3393,
0.2957

 0.1532, 0.5186,
0.0719

205.1064, 0.3375,

 0.0000, 1.0000,

0.2979

0.0000

249.7525, 0.3360,
0.2998

0.0000, 0.0000,
0.0000

29.6882, 0.3587,
0.2723

29.6882, 0.3587,
0.2723

24.8403, 0.3754,
0.2589

35.6257, 0.3442,
0.2866

21.0100, 0.3944,
0.2475

42.7105, 0.3320,
0.3010

18.1231, 0.4151,
0.2391


51.0013, 0.3217,
0.3150

16.0934, 0.4370,
0.2350

60.5515, 0.3131,
0.3284


14.8187, 0.4590,
0.2361

71.4113, 0.3060,
0.3409

 14.1279, 0.4794,
0.2415

 83.6281, 0.3001,
0.3525

 90.3618, 0.2950,
0.3526

 90.9115, 0.2900,
0.3425

 91.4901, 0.2851,
0.3326

Harmonies

Analogous

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



29.6882, 0.2930, 0.2417



29.6882, 0.3587, 0.2723



29.6882, 0.4153, 0.3155

Triad

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



29.6882, 0.3587, 0.2723



29.6882, 0.3825, 0.4426



29.6882, 0.1995, 0.2728

Complementary

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



29.6882, 0.3587, 0.2723



50.3308, 0.2837, 0.3945

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.



29.6882, 0.2181, 0.3307



29.6882, 0.3587, 0.2723



29.6882, 0.3217, 0.4409

Square

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



29.6882, 0.3587, 0.2723



29.6882, 0.4271, 0.4109



29.6882, 0.2616, 0.3970



29.6882, 0.2069, 0.2387

Rectangle

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



29.6882, 0.3587, 0.2723



29.6882, 0.4366, 0.3479



29.6882, 0.2616, 0.3970



29.6882, 0.2028, 0.2898

Sweetspot

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



29.6896, 0.3587, 0.2723



81.1371, 0.3233, 0.3127



25.7364, 0.2716, 0.2161



16.9668, 0.3246, 0.3109



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.



29.6896, 0.3587, 0.2723



41.3069, 0.3739, 0.2600



28.4099, 0.4094, 0.3239



11.3137, 0.3207, 0.3165



8.8162, 0.4765, 0.2399



0.4700, 0.4380, 0.2187

Inverse Universe

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



29.6896, 0.3587, 0.2723



41.3069, 0.3739, 0.2600



52.0023, 0.2598, 0.3345



11.3137, 0.3207, 0.3165



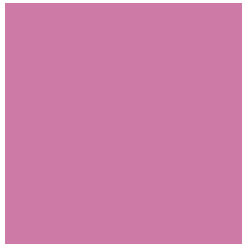
8.8162, 0.4765, 0.2399



0.4700, 0.4380, 0.2187

Previews

White Background



This preview shows how the Yxy color 29.6882, 0.3587, 0.2723 looks on a white background.

Color Contrast Check

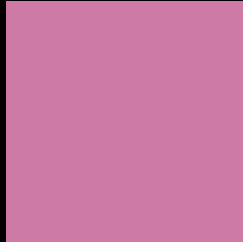
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6882, 0.3587, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

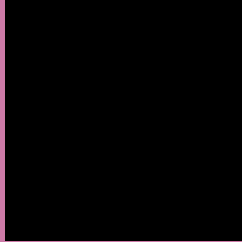
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6882, 0.3587, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 29.6882, 0.3587, 0.2723.



This preview shows how white text looks on a background with the Yxy color 29.6882, 0.3587, 0.2723.

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

29.6882, 0.3587, 0.2723

Protanopia

29.9036, 0.2734, 0.2735

Deuteranopia

29.9631, 0.3068, 0.3019



Tritanopia

29.8010, 0.3898, 0.3174

Trichromacy



Original Color

29.6882, 0.3587, 0.2723

Protanomaly

29.2838, 0.3009, 0.2717

Deuteranomaly

29.5703, 0.3253, 0.2906

Tritanomaly

29.7563, 0.3782, 0.3006

Monochromacy



Original Color

29.6882, 0.3587, 0.2723

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.1420, 0.3288, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6882, 0.3587, 0.2723 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(205, 122, 167)` looks like.

```
.text, #text, p{  
    color:rgb(205, 122, 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(205, 122, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 122, 167) }
```

Border

The CSS property to change the border of an element to Yxy 29.6882, 0.3587, 0.2723 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(205, 122, 167) }
```

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

```
.border{ border-color:rgb(205, 122, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 122, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 122, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 122, 167);  
box-shadow:4px 4px 4px 4px rgb(205, 122,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6882, 0.3587, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 122, 167) }
```

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

```
.background{ background-color: rgb(205,  
122, 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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