

Converting Colors

$Y_{xy}(29.4338, 0.3659, 0.2814)$

Have a look what the booklet for
Yxy(29.4338, 0.3659, 0.2814)
contains.

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Color

Yxy(29.5414, 0.3657, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	CC7BA0
RGB	204, 123, 160
RGB Percent	80%, 48%, 63%
CMY	0.2001, 0.5176, 0.3726
CMYK	0.00, 0.40, 0.22, 0.20
HSL	333°, 44%, 64%
HSV	333°, 40%, 80%
XYZ	38.3231, 29.5414, 36.9294
YIQ	151.4370, 36.3990, 28.6790

Conversions

Conversions Part 2

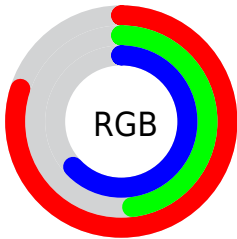
Format	Color
R_{YB}	204, 123, 160
Decimal	13400992
CIE _{Lab}	61.26, 36.38, -6.28
CIE _{LCh}	61, 36.919, 350.213
Yxy	29.5414, 0.3657, 0.2819
Android (android.graphics.Color)	4291591072 (0xFFCC7BA0)
YUV	151.4370, 4.2216, 46.0978
Hunter-Lab	54.3520, 30.7428, -2.2381

Details

The Yxy color **29.5414, 0.3657, 0.2819** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.1771, 0.2799, 0.3824**, and the grayscale version is **31.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6106, 0.3486, 0.2901**, and **12.0348, 0.3825, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **24.6265, 0.3858, 0.2705**, and if you desaturate by 10%, it is **35.5480, 0.3486, 0.2941**.

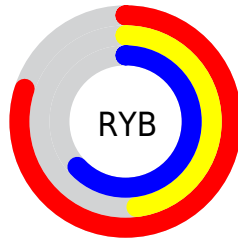
Distribution



Red (80%)

Green (48%)

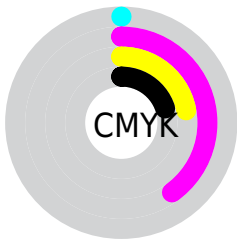
Blue (63%)



Red (80%)

Yellow (48%)

Blue (63%)

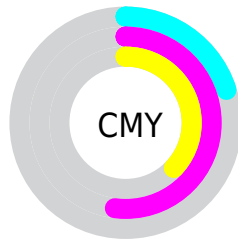


Cyan (0%)

Magenta (40%)

Yellow (22%)

Black (20%)



Cyan (20%)


Magenta (52%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5414, 0.3657, 0.2819 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 29.5414, 0.3657, 0.2819 by changing the saturation by 10% instead.


 29.5414, 0.3657,
0.2819


 29.5414, 0.3657,
0.2819


299.7609, 0.3376,
0.3064


 19.4908, 0.3733,
0.2754


 58.9362, 0.3551,
0.2911

 12.0254, 0.3833,
0.2670


 79.0491, 0.3512,
0.2944

 6.7610, 0.3973,
0.2553


 103.2849, 0.3480,
0.2972

 3.3131, 0.4182,
0.2384

132.0280, 0.3453,
0.2996

 1.2973, 0.4523,
0.2118

165.6627, 0.3430,
0.3017

 0.1391, 0.5862,
0.0789

204.5735, 0.3410,

 0.0000, 0.0000,

0.3035

0.0000

249.1448, 0.3392,
0.3051

■ 29.5414, 0.3657,
0.2819

■ 29.5414, 0.3657,
0.2819

■ 24.6265, 0.3858,
0.2705

■ 35.5480, 0.3486,
0.2941

■ 20.7323, 0.4089,
0.2608

■ 42.7033, 0.3342,
0.3063

■ 17.7857, 0.4345,
0.2540


■ 51.0653, 0.3223,
0.3181


■ 15.7023, 0.4616,
0.2514


■ 60.6867, 0.3124,
0.3293

■ 14.3821, 0.4890,
0.2540

■ 71.6173, 0.3043,
0.3398

 13.6462, 0.5151,
0.2613

 83.9040, 0.2976,
0.3494

 13.6261, 0.5159,
0.2615

 90.5022, 0.2918,
0.3473

 91.1725, 0.2860,
0.3355

 91.5738, 0.2827,
0.3289

Harmonies

Analogous

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



29.5414, 0.3043, 0.2505



29.5414, 0.3657, 0.2819



29.5414, 0.4147, 0.3242

Triad

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



29.5414, 0.3657, 0.2819



29.5414, 0.3697, 0.4374



29.5414, 0.2057, 0.2699

Complementary

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



29.5414, 0.3657, 0.2819



50.1771, 0.2799, 0.3824

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.



29.5414, 0.2194, 0.3209



29.5414, 0.3657, 0.2819



29.5414, 0.3118, 0.4285

Square

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



29.5414, 0.3657, 0.2819



29.5414, 0.4148, 0.4126



29.5414, 0.2570, 0.3826



29.5414, 0.2166, 0.2413

Rectangle

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



29.5414, 0.3657, 0.2819



29.5414, 0.4308, 0.3552



29.5414, 0.2570, 0.3826



29.5414, 0.2075, 0.2846

Sweetspot

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



29.5428, 0.3657, 0.2819



80.9813, 0.3250, 0.3153



26.6585, 0.2792, 0.2205



16.9302, 0.3265, 0.3137



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.



29.5428, 0.3657, 0.2819



41.5771, 0.3835, 0.2716



29.1151, 0.4103, 0.3328



11.2974, 0.3220, 0.3185



8.5972, 0.5125, 0.2597



0.4588, 0.4655, 0.2338

Inverse Universe

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



29.5428, 0.3657, 0.2819



41.5771, 0.3835, 0.2716



50.4733, 0.2578, 0.3251



11.2974, 0.3220, 0.3185



8.5972, 0.5125, 0.2597



0.4588, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 29.5414, 0.3657, 0.2819 looks on a white background.

Color Contrast Check

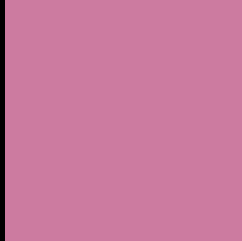
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5414, 0.3657, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

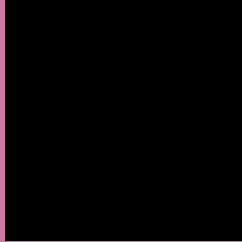
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5414, 0.3657, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 29.5414, 0.3657, 0.2819.



This preview shows how white text looks on a background with the Yxy color 29.5414, 0.3657, 0.2819.

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

29.5414, 0.3657, 0.2819

Protanopia

29.8022, 0.2835, 0.2864

Deuteranopia

29.7177, 0.3167, 0.3109



Tritanopia

29.5414, 0.3902, 0.3161

Trichromacy



Original Color

29.5414, 0.3657, 0.2819

Protanomaly

29.0786, 0.3096, 0.2826

Deuteranomaly

29.1566, 0.3339, 0.2989

Tritanomaly

29.6626, 0.3819, 0.3045

Monochromacy



Original Color

29.5414, 0.3657, 0.2819

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.9289, 0.3308, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5414, 0.3657, 0.2819 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(204, 123, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 123, 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(204, 123, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 123, 160) }
```

Border

The CSS property to change the border of an element to Yxy 29.5414, 0.3657, 0.2819 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(204, 123, 160) }
```

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

```
.border{ border-color:rgb(204, 123, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 123, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 123, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 123, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 123,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5414, 0.3657, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 123, 160) }
```

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

```
.background{ background-color: rgb(204,  
123, 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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