

Converting Colors

$Y_{xy}(29.0881, 0.3162, 0.2219)$

Have a look what the booklet for
Yxy(29.0881, 0.3162, 0.2219)
contains.

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Color

Yxy(29.0908, 0.3167, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	CB72CC
RGB	203, 114, 204
RGB Percent	80%, 45%, 80%
CMY	0.2037, 0.5531, 0.1999
CMYK	0.00, 0.44, 0.00, 0.20
HSL	299°, 47%, 62%
HSV	299°, 44%, 80%
XYZ	41.5564, 29.0908, 60.5697
YIQ	150.8710, 24.1540, 46.8580

Conversions

Conversions Part 2

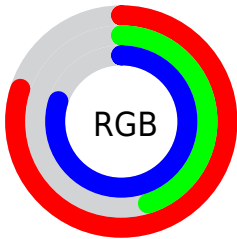
Format	Color
R _Y B	203, 114, 204
Decimal	13333196
CIE Lab	60.86, 48.19, -31.97
CIE LCh	61, 57.830, 326.444
Yxy	29.0908, 0.3167, 0.2217
Android (android.graphics.Color)	4291523276 (0xFFFCB72CC)
YUV	150.8710, 26.1926, 45.7171
Hunter-Lab	53.9359, 43.1425, -28.8273

Details

The Yxy color **29.0908, 0.3167, 0.2217** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **48.0560, 0.3070, 0.4653**, and the grayscale version is **30.7672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **11.8182, 0.3160, 0.1947** is the 20% darker color. If you saturate the color by 10%, you get **24.9614, 0.3174, 0.2008**, and if you desaturate by 10%, it is **34.2492, 0.3159, 0.2449**.

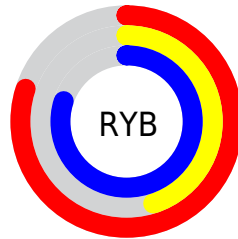
Distribution



Red (80%)

Green (45%)

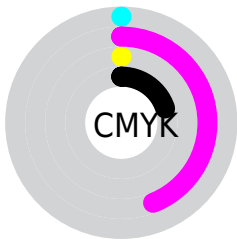
Blue (80%)



Red (80%)

Yellow (45%)

Blue (80%)

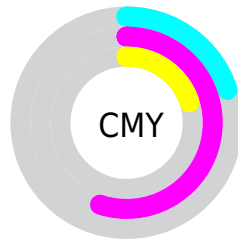


Cyan (0%)

Magenta (44%)

Yellow (0%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0908, 0.3167, 0.2217 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 29.0908, 0.3167, 0.2217 by changing the saturation by 10% instead.

 29.0908, 0.3167,
0.2217


 29.0908, 0.3167,
0.2217


297.6431, 0.3165,
0.2741

 19.1495, 0.3162,
0.2092


 58.2213, 0.3170,
0.2404

 11.7784, 0.3152,
0.1935


 78.1793, 0.3171,
0.2475

 6.5929, 0.3132,
0.1734


 102.2451, 0.3170,
0.2536

 3.2089, 0.3094,
0.1470

130.8029, 0.3169,
0.2588

 1.2417, 0.3014,
0.1116

164.2372, 0.3168,
0.2634

 0.0954, 0.2962,
0.0210

202.9325, 0.3167,

 0.0000, 0.1582,

0.2674

0.0000

247.2730, 0.3166,
0.2709

0.0000, 0.0000,
0.0000

29.0908, 0.3167,
0.2217

29.0908, 0.3167,
0.2217

24.9614, 0.3174,
0.2008

34.2492, 0.3159,
0.2449

21.7881, 0.3179,
0.1832

40.4954, 0.3150,
0.2694

19.4945, 0.3182,
0.1694


47.8885, 0.3141,
0.2944


17.9912, 0.3183,
0.1599

56.4820, 0.3131,
0.3190


17.1694, 0.3183,
0.1545

66.3262, 0.3122,
0.3428

 16.8893, 0.3182,
0.1526

 77.4684, 0.3113,
0.3652

 88.8044, 0.3105,
0.3844

 88.8361, 0.3106,
0.3843

 88.8678, 0.3107,
0.3843

Harmonies

Analogous

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



29.0908, 0.2324, 0.1954



29.0908, 0.3167, 0.2217



29.0908, 0.4138, 0.2689

Triad

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



29.0908, 0.3167, 0.2217



29.0908, 0.4508, 0.4592



29.0908, 0.1666, 0.2919

Complementary

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



29.0908, 0.3167, 0.2217



48.0560, 0.3070, 0.4653

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.



29.0908, 0.2109, 0.3940



29.0908, 0.3167, 0.2217



29.0908, 0.3743, 0.5020

Square

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



29.0908, 0.3167, 0.2217



29.0908, 0.4946, 0.3947



29.0908, 0.2867, 0.4834



29.0908, 0.1571, 0.2241

Rectangle

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



29.0908, 0.3167, 0.2217



29.0908, 0.4660, 0.3081



29.0908, 0.2867, 0.4834



29.0908, 0.1774, 0.3233

Sweetspot

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



29.0921, 0.3167, 0.2217



80.5742, 0.3140, 0.2968



20.3062, 0.2307, 0.1950



16.6149, 0.3142, 0.2912



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.



29.0921, 0.3167, 0.2217



41.5974, 0.3173, 0.2017



27.4256, 0.3674, 0.2701



11.3973, 0.3136, 0.3062



10.6297, 0.3182, 0.1527



0.5504, 0.3188, 0.1530

Inverse Universe

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



26.1067, 0.4275, 0.3281



36.0455, 0.4678, 0.3280



49.2268, 0.2803, 0.3980



11.2156, 0.3288, 0.3288



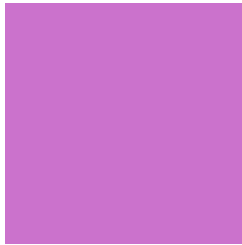
8.0840, 0.6388, 0.3292



0.4178, 0.6342, 0.3267

Previews

White Background



This preview shows how the Yxy color 29.0908, 0.3167, 0.2217 looks on a white background.

Color Contrast Check

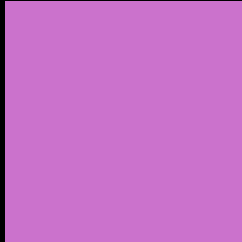
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0908, 0.3167, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

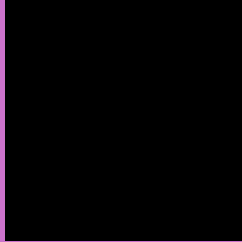
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0908, 0.3167, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 29.0908, 0.3167, 0.2217.



This preview shows how white text looks on a background with the Yxy color 29.0908, 0.3167, 0.2217.

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

29.0908, 0.3167, 0.2217

Protanopia

29.3167, 0.2257, 0.2113

Deuteranopia

29.3146, 0.2568, 0.2510



Tritanopia

29.1376, 0.3802, 0.3170

Trichromacy



Original Color

29.0908, 0.3167, 0.2217



Protanomaly

28.2383, 0.2517, 0.2121



Deuteranomaly

28.4894, 0.2756, 0.2375



Tritanomaly

29.0297, 0.3563, 0.2794

Monochromacy



Original Color

29.0908, 0.3167, 0.2217



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.6253, 0.3149, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0908, 0.3167, 0.2217 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(203, 114, 204)` looks like.

```
.text, #text, p{  
    color:rgb(203, 114, 204)  
}
```

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(203, 114, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 114, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.0908, 0.3167, 0.2217 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(203, 114, 204) }
```

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

```
.border{ border-color:rgb(203, 114, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 114, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 114, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 114, 204);  
box-shadow:4px 4px 4px 4px rgb(203, 114,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0908, 0.3167, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 114, 204) }
```

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

```
.background{ background-color: rgb(203,  
114, 204) }
```

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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