

Converting Colors

$Y_{xy}(28.7992, 0.2914, 0.2017)$

Have a look what the booklet for
Yxy(28.7992, 0.2914, 0.2017)
contains.

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Color

Yxy(28.9107, 0.2914, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	C372DE
RGB	195, 114, 222
RGB Percent	76%, 45%, 87%
CMY	0.2354, 0.5529, 0.1293
CMYK	0.12, 0.49, 0.00, 0.13
HSL	285°, 62%, 66%
HSV	285°, 49%, 87%
XYZ	41.7058, 28.9107, 72.5057
YIQ	150.5310, 13.6080, 50.7600

Conversions

Conversions Part 2

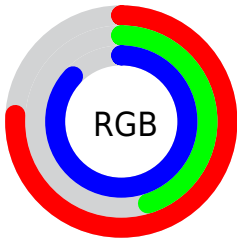
Format	Color
R _Y B	195, 114, 222
Decimal	12808926
CIE _{Lab}	60.70, 49.33, -42.40
CIE _{LCh}	61, 65.051, 319.319
Yxy	28.9107, 0.2914, 0.2020
Android (android.graphics.Color)	4290999006 (0xFFC372DE)
YUV	150.5310, 35.2342, 38.9993
Hunter-Lab	53.7687, 44.3589, -42.3131

Details

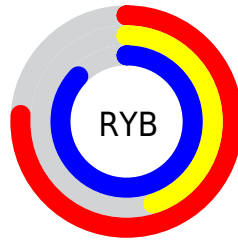
The Yxy color **28.9107, 0.2914, 0.2020** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.1382, 0.3225, 0.4749**, and the grayscale version is **30.5807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1079, 0.3151, 0.2436**, and **11.6874, 0.2821, 0.1712** is the 20% darker color. If you saturate the color by 10%, you get **23.7692, 0.2852, 0.1780**, and if you desaturate by 10%, it is **35.2977, 0.2971, 0.2280**.

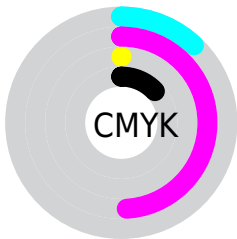
Distribution



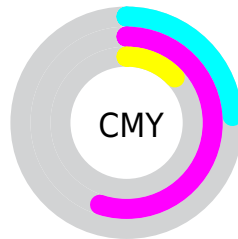
- Red (76%)
- Green (45%)
- Blue (87%)



- Red (76%)
- Yellow (45%)
- Blue (87%)



- Cyan (12%)
- Magenta (49%)
- Yellow (0%)
- Black (13%)





- Cyan (24%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9107, 0.2914, 0.2020 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 28.9107, 0.2914, 0.2020 by changing the saturation by 10% instead.


 28.9107, 0.2914,
0.2020


 28.9107, 0.2914,
0.2020


296.7934, 0.3048,
0.2628

 19.0133, 0.2873,
0.1880


 57.9352, 0.2969,
0.2233

 11.6799, 0.2816,
0.1707


 77.8310, 0.2988,
0.2315

 6.5261, 0.2735,
0.1491


 101.8285, 0.3003,
0.2386

 3.1675, 0.2611,
0.1217

130.3119, 0.3015,
0.2447

 1.2198, 0.2412,
0.0870

163.6657, 0.3026,
0.2501

 0.0778, 0.2139,
0.0123

202.2743, 0.3034,


 0.0000, 0.0956,


0.2548


0.0000

246.5221, 0.3042,
0.2590

 0.0000, 0.0000,
0.0000

 28.9107, 0.2914,
0.2020

 28.9107, 0.2914,
0.2020


 23.7692, 0.2852,
0.1780


 35.2977, 0.2971,
0.2280

 19.7797, 0.2786,
0.1570


 43.0073, 0.3021,
0.2549


 16.8414, 0.2718,
0.1402


 52.1146, 0.3064,
0.2817


 14.8339, 0.2650,
0.1280

 62.6879, 0.3101,
0.3077

 13.5757, 0.2584,
0.1202


 74.7912, 0.3131,
0.3322

 13.4288, 0.2575,
0.1192

 88.4843, 0.3155,
0.3551

 94.2697, 0.3186,
0.3625

 95.2249, 0.3221,
0.3621

 96.2099, 0.3257,
0.3618

Harmonies

Analogous

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



28.9107, 0.2063, 0.1797



28.9107, 0.2914, 0.2020



28.9107, 0.4008, 0.2481

Triad

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



28.9107, 0.2914, 0.2020



28.9107, 0.4792, 0.4528



28.9107, 0.1592, 0.3101

Complementary

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



28.9107, 0.2914, 0.2020



59.1382, 0.3225, 0.4749

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.



28.9107, 0.2154, 0.4317



28.9107, 0.2914, 0.2020



28.9107, 0.3995, 0.5144

Square

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



28.9107, 0.2914, 0.2020



28.9107, 0.5184, 0.3797



28.9107, 0.3038, 0.5190



28.9107, 0.1416, 0.2248

Rectangle

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



28.9107, 0.2914, 0.2020



28.9107, 0.4668, 0.2884



28.9107, 0.3038, 0.5190



28.9107, 0.1734, 0.3487

Sweetspot

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



28.9119, 0.2914, 0.2020



76.2055, 0.3078, 0.2910



28.4430, 0.2277, 0.2165



15.6767, 0.3070, 0.2854



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.



28.9119, 0.2914, 0.2020



32.6566, 0.2853, 0.1784



31.5939, 0.3444, 0.2355



13.7538, 0.3098, 0.3056



8.0295, 0.2585, 0.1198



0.5980, 0.2685, 0.1253

Inverse Universe

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



29.4956, 0.4129, 0.2973



33.8139, 0.4459, 0.2925



57.7039, 0.2924, 0.4470



13.7566, 0.3253, 0.3232



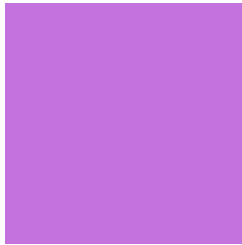
9.4066, 0.5920, 0.3035



0.6662, 0.5481, 0.2793

Previews

White Background



This preview shows how the Yxy color 28.9107, 0.2914, 0.2020 looks on a white background.

Color Contrast Check

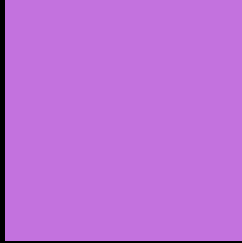
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9107, 0.2914, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

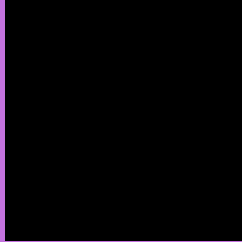
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9107, 0.2914, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 28.9107, 0.2914, 0.2020.

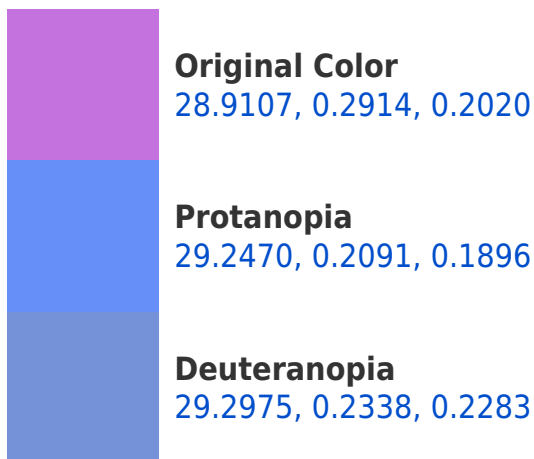


This preview shows how white text looks on a background with the Yxy color 28.9107, 0.2914, 0.2020.

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





Tritanopia

28.8255, 0.3592, 0.3150

Trichromacy



Original Color

28.9107, 0.2914, 0.2020



Protanomaly

27.9688, 0.2308, 0.1900



Deuteranomaly

28.1319, 0.2508, 0.2147



Tritanomaly

28.4651, 0.3323, 0.2672

Monochromacy



Original Color

28.9107, 0.2914, 0.2020



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.5668, 0.3049, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9107, 0.2914, 0.2020 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(195, 114, 222)` looks like.

```
.text, #text, p{  
    color:rgb(195, 114, 222)  
}
```

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(195, 114, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 114, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.9107, 0.2914, 0.2020 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(195, 114, 222) }
```

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

```
.border{ border-color:rgb(195, 114, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 114, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 114, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 114, 222);  
box-shadow:4px 4px 4px 4px rgb(195, 114,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9107, 0.2914, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 114, 222) }
```

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

```
.background{ background-color: rgb(195,  
114, 222) }
```

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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