

Converting Colors

$Y_{xy}(29.4087, 0.2980, 0.2114)$

Have a look what the booklet for
Yxy(29.4087, 0.2980, 0.2114)
contains.

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Color

Yxy(29.4162, 0.2979, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	C475D8
RGB	196, 117, 216
RGB Percent	77%, 46%, 85%
CMY	0.2312, 0.5413, 0.1529
CMYK	0.09, 0.46, 0.00, 0.15
HSL	288°, 56%, 65%
HSV	288°, 46%, 85%
XYZ	41.5312, 29.4162, 68.4659
YIQ	151.9070, 15.3050, 47.5370

Conversions

Conversions Part 2

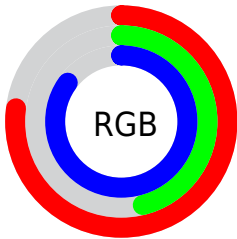
Format	Color
R_{YB}	196, 117, 216
Decimal	12875224
CIE _{Lab}	61.15, 46.88, -38.33
CIE _{LCh}	61, 60.560, 320.732
Yxy	29.4162, 0.2979, 0.2110
Android (android.graphics.Color)	4291065304 (0xFFC475D8)
YUV	151.9070, 31.5978, 38.6696
Hunter-Lab	54.2367, 41.7704, -36.8792

Details

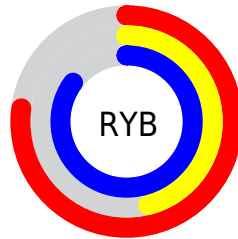
The Yxy color **29.4162, 0.2979, 0.2110** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.7180, 0.3190, 0.4668**, and the grayscale version is **31.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4167, 0.3158, 0.2467**, and **11.9293, 0.2896, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **24.3767, 0.2932, 0.1872**, and if you desaturate by 10%, it is **35.6364, 0.3021, 0.2366**.

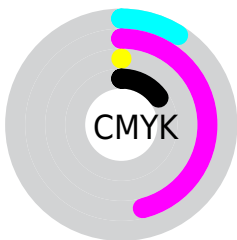
Distribution



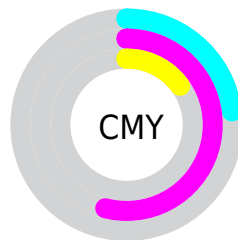
- Red (77%)
- Green (46%)
- Blue (85%)



- Red (77%)
- Yellow (46%)
- Blue (85%)



- Cyan (9%)
- Magenta (46%)
- Yellow (0%)
- Black (15%)





- Cyan (23%)
- Magenta (54%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4162, 0.2979, 0.2110 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 29.4162, 0.2979, 0.2110 by changing the saturation by 10% instead.

 29.4162, 0.2979,
0.2110


 29.4162, 0.2979,
0.2110


299.1737, 0.3077,
0.2680


 19.3959, 0.2948,
0.1977


 58.7377, 0.3020,
0.2311

 11.9567, 0.2903,
0.1811


 78.8077, 0.3034,
0.2388

 6.7142, 0.2839,
0.1602


 102.9963, 0.3045,
0.2454

 3.2840, 0.2738,
0.1333

131.6881, 0.3054,
0.2512

 1.2817, 0.2570,
0.0984

165.2673, 0.3061,
0.2562

 0.1270, 0.2340,
0.0222

204.1184, 0.3067,

 0.0000, 0.1075,

0.2606

0.0000

248.6257, 0.3073,
0.2645

0.0000, 0.0000,
0.0000

29.4162, 0.2979,
0.2110

29.4162, 0.2979,
0.2110

24.3767, 0.2932,
0.1872

35.6364, 0.3021,
0.2366

20.4329, 0.2881,
0.1663

43.1069, 0.3058,
0.2631

17.4946, 0.2828,
0.1492


51.8965, 0.3089,
0.2893


15.4552, 0.2773,
0.1366

62.0676, 0.3114,
0.3147


14.1828, 0.2720,
0.1286


73.6787, 0.3135,
0.3388

 13.7815, 0.2698,
0.1260

 86.7850, 0.3152,
0.3613

 92.7344, 0.3174,
0.3693

 93.4498, 0.3201,
0.3690

 94.1832, 0.3229,
0.3686

Harmonies

Analogous

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



29.4162, 0.2162, 0.1886



29.4162, 0.2979, 0.2110



29.4162, 0.3994, 0.2560

Triad

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



29.4162, 0.2979, 0.2110



29.4162, 0.4673, 0.4508



29.4162, 0.1672, 0.3079

Complementary

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



29.4162, 0.2979, 0.2110



55.7180, 0.3190, 0.4668

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.



29.4162, 0.2194, 0.4182



29.4162, 0.2979, 0.2110



29.4162, 0.3922, 0.5039

Square

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



29.4162, 0.2979, 0.2110



29.4162, 0.5044, 0.3825



29.4162, 0.3020, 0.5012



29.4162, 0.1512, 0.2298

Rectangle

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



29.4162, 0.2979, 0.2110



29.4162, 0.4591, 0.2948



29.4162, 0.3020, 0.5012



29.4162, 0.1804, 0.3429

Sweetspot

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



29.4175, 0.2979, 0.2110



77.9599, 0.3094, 0.2938



27.0407, 0.2318, 0.2170



16.0379, 0.3088, 0.2881



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.



29.4175, 0.2979, 0.2110



35.7100, 0.2934, 0.1879



30.9472, 0.3475, 0.2458



12.5004, 0.3106, 0.3058



8.2024, 0.2706, 0.1264



0.5275, 0.2798, 0.1315

Inverse Universe

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



29.1228, 0.4103, 0.3049



35.4486, 0.4439, 0.3008



54.9461, 0.2905, 0.4313



12.4613, 0.3260, 0.3243



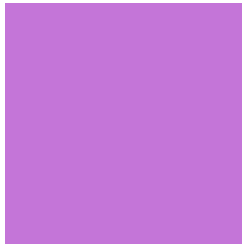
8.7592, 0.6058, 0.3111



0.5403, 0.5577, 0.2846

Previews

White Background



This preview shows how the Yxy color 29.4162, 0.2979, 0.2110 looks on a white background.

Color Contrast Check

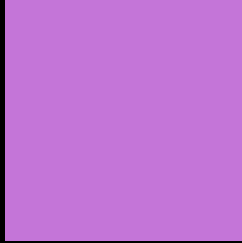
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4162, 0.2979, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

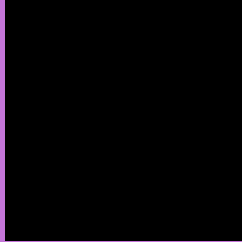
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4162, 0.2979, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 29.4162, 0.2979, 0.2110.

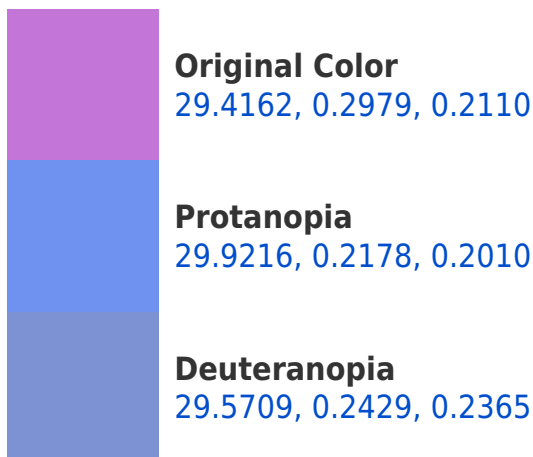


This preview shows how white text looks on a background with the Yxy color 29.4162, 0.2979, 0.2110.

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

29.5029, 0.3612, 0.3152

Trichromacy



Original Color

29.4162, 0.2979, 0.2110



Protanomaly

28.8483, 0.2404, 0.2025



Deuteranomaly

28.6607, 0.2602, 0.2239



Tritanomaly

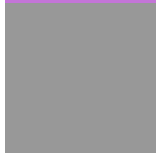
29.2878, 0.3376, 0.2730

Monochromacy



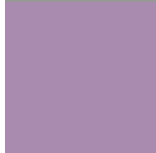
Original Color

29.4162, 0.2979, 0.2110



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.8852, 0.3078, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4162, 0.2979, 0.2110 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(196, 117, 216)` looks like.

```
.text, #text, p{  
    color:rgb(196, 117, 216)  
}
```

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(196, 117, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 117, 216) }
```

Border

The CSS property to change the border of an element to Yxy 29.4162, 0.2979, 0.2110 is called "border". The border property can be set on classes, ids or directly on the HTML element.

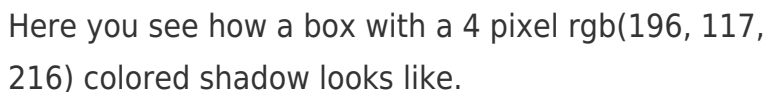
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 117, 216) }
```

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

```
.border{ border-color:rgb(196, 117, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 117, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 117, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 117, 216);  
box-shadow:4px 4px 4px 4px rgb(196, 117,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4162, 0.2979, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 117, 216) }
```

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

```
.background{ background-color: rgb(196,  
117, 216) }
```

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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