

Converting Colors

$Y_{xy}(29.3251, 0.2644, 0.2112)$

Have a look what the booklet for
Yxy(29.3251, 0.2644, 0.2112)
contains.

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Color

Yxy(29.2385, 0.2644, 0.2107)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A582DE |
| RGB | 165, 130, 222 |
| RGB Percent | 65%, 51%, 87% |
| CMY | 0.3529, 0.4902, 0.1293 |
| CMYK | 0.26, 0.41, 0.00, 0.13 |
| HSL | 263°, 58%, 69% |
| HSV | 263°, 41%, 87% |
| XYZ | 36.6904, 29.2385, 72.8395 |
| YIQ | 150.9530, -8.6720, 36.0320 |

Conversions

Conversions Part 2

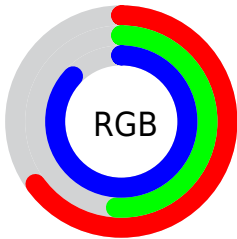
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 165, 130, 222 |
| Decimal | 10846942 |
| CIE _{Lab} | 60.99, 32.20, -42.17 |
| CIE _{LCh} | 61, 53.061, 307.364 |
| Yxy | 29.2385, 0.2644, 0.2107 |
| Android (android.graphics.Color) | 4289037022 (0xFFA582DE) |
| YUV | 150.9530, 35.0262, 12.3192 |
| Hunter-Lab | 54.0726, 26.4920, -42.0168 |

Details

The Yxy color **29.2385, 0.2644, 0.2107** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.4367, 0.3470, 0.4414**, and the grayscale version is **30.7776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6166, 0.2909, 0.2529**, and **11.8700, 0.2483, 0.1807** is the 20% darker color. If you saturate the color by 10%, you get **22.5606, 0.2493, 0.1794**, and if you desaturate by 10%, it is **37.3515, 0.2784, 0.2419**.

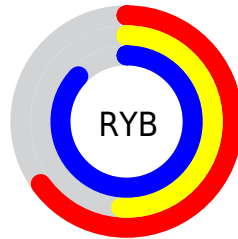
Distribution



Red (65%)

Green (51%)

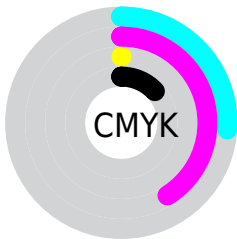
Blue (87%)



Red (65%)

Yellow (51%)

Blue (87%)

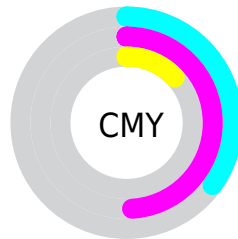


Cyan (26%)

Magenta (41%)

Yellow (0%)

Black (13%)



Cyan (35%)


Magenta (49%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2385, 0.2644, 0.2107 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 29.2385, 0.2644, 0.2107 by changing the saturation by 10% instead.


 29.2385, 0.2644,
0.2107


 29.2385, 0.2644,
0.2107


298.3386, 0.2910,
0.2685


 19.2613, 0.2572,
0.1970


 58.4558, 0.2745,
0.2312

 11.8593, 0.2476,
0.1801


 78.4647, 0.2782,
0.2391

 6.6479, 0.2346,
0.1585


 102.5863, 0.2813,
0.2458

 3.2429, 0.2160,
0.1309

131.2050, 0.2838,
0.2516

 1.2598, 0.1880,
0.0951

164.7052, 0.2860,
0.2566

 0.1098, 0.1493,
0.0184

203.4713, 0.2879,

 0.0000, 0.0000,

0.2610

0.0000

247.8876, 0.2895,
0.2650

■ 29.2385, 0.2644,
0.2107

■ 29.2385, 0.2644,
0.2107

■ 22.5606, 0.2493,
0.1794

■ 37.3515, 0.2784,
0.2419

■ 17.2267, 0.2335,
0.1496

■ 46.9765, 0.2909,
0.2719

■ 13.1401, 0.2177,
0.1230

■ 58.1885, 0.3020,
0.2999

■ 10.1891, 0.2029,
0.1013

■ 71.0568, 0.3115,
0.3255

■ 8.2410, 0.1898,
0.0856

■ 85.6463, 0.3196,
0.3486

■ 7.1836, 0.1803,
0.0767

■ 96.6680, 0.3273,
0.3616

■ 98.0557, 0.3321,
0.3611

Harmonies

Analogous

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



29.2385, 0.2030, 0.2010



29.2385, 0.2644, 0.2107



29.2385, 0.3496, 0.2434

Triad

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



29.2385, 0.2644, 0.2107



29.2385, 0.4716, 0.4148



29.2385, 0.2000, 0.3532

Complementary

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



29.2385, 0.2644, 0.2107



64.4367, 0.3470, 0.4414

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.



29.2385, 0.2618, 0.4448



29.2385, 0.2644, 0.2107



29.2385, 0.4188, 0.4689

Square

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



29.2385, 0.2644, 0.2107



29.2385, 0.4802, 0.3529



29.2385, 0.3421, 0.4889



29.2385, 0.1699, 0.2687

Rectangle

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



29.2385, 0.2644, 0.2107



29.2385, 0.4081, 0.2753



29.2385, 0.3421, 0.4889



29.2385, 0.2174, 0.3855

Sweetspot

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



29.2396, 0.2644, 0.2107



78.5872, 0.3013, 0.2981



46.1085, 0.2489, 0.2838



16.3653, 0.2999, 0.2946



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.



29.2396, 0.2644, 0.2107



31.7609, 0.2509, 0.1827



34.9048, 0.3058, 0.2238



13.4962, 0.3040, 0.3052



4.3245, 0.1817, 0.0775



0.3500, 0.1991, 0.0870

Inverse Universe

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



35.0854, 0.3528, 0.2629



41.0477, 0.3651, 0.2494



59.6454, 0.3146, 0.4537



13.8426, 0.3196, 0.3146



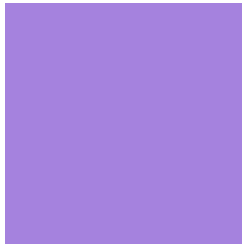
10.3282, 0.4456, 0.2228



0.7332, 0.4213, 0.2094

Previews

White Background



This preview shows how the Yxy color 29.2385, 0.2644, 0.2107 looks on a white background.

Color Contrast Check

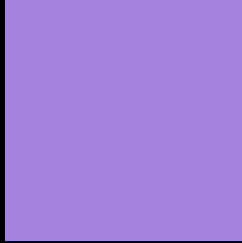
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2385, 0.2644, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

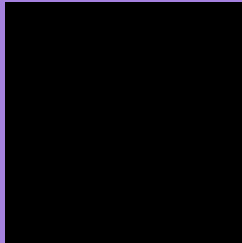
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2385, 0.2644, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 29.2385, 0.2644, 0.2107.



This preview shows how white text looks on a background with the Yxy color 29.2385, 0.2644, 0.2107.

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

29.2385, 0.2644, 0.2107

Protanopia

29.3977, 0.2214, 0.2057

Deuteranopia

29.3852, 0.2315, 0.2247



Tritanopia

29.1191, 0.3105, 0.3105

Trichromacy



Original Color

29.2385, 0.2644, 0.2107

Protanomaly

29.0839, 0.2345, 0.2065

Deuteranomaly

28.9918, 0.2420, 0.2184

Tritanomaly

28.9286, 0.2921, 0.2693

Monochromacy



Original Color

29.2385, 0.2644, 0.2107

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.8872, 0.2939, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2385, 0.2644, 0.2107 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(165, 130, 222)` looks like.

```
.text, #text, p{  
    color:rgb(165, 130, 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(165, 130, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 130, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.2385, 0.2644, 0.2107 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(165, 130, 222) }
```

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

```
.border{ border-color:rgb(165, 130, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 130, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 130, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 130, 222);  
box-shadow:4px 4px 4px 4px rgb(165, 130,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2385, 0.2644, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 130, 222) }
```

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

```
.background{ background-color: rgb(165,  
130, 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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