

Converting Colors

$Y_{xy}(29.0950, 0.2933, 0.1762)$

Have a look what the booklet for
Yxy(29.0950, 0.2933, 0.1762)
contains.

Yxy(29.0754, 0.2932, 0.1758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.0754, 0.2932, 0.1758)

Conversions

Conversions Part 1

Format	Color
Hex	D85EF3
RGB	216, 94, 243
RGB Percent	85%, 37%, 95%
CMY	0.1530, 0.6313, 0.0472
CMYK	0.11, 0.61, 0.00, 0.05
HSL	289°, 86%, 66%
HSV	289°, 61%, 95%
XYZ	48.4921, 29.0754, 87.8216
YIQ	147.4640, 24.8830, 72.2030

Conversions

Conversions Part 2

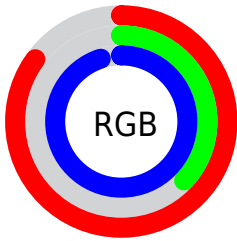
Format	Color
R _Y B	216, 94, 243
Decimal	14180083
CIE Lab	60.85, 68.29, -53.67
CIE LCh	61, 86.855, 321.832
Yxy	29.0754, 0.2932, 0.1758
Android (android.graphics.Color)	4292370163 (0xFFD85EF3)
YUV	147.4640, 47.0992, 60.1061
Hunter-Lab	53.9216, 66.1635, -58.8199

Details

The Yxy color **29.0754, 0.2932, 0.1758** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **68.9537, 0.3164, 0.5200**, and the grayscale version is **29.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **11.7942, 0.2835, 0.1425** is the 20% darker color. If you saturate the color by 10%, you get **24.7518, 0.2885, 0.1574**, and if you desaturate by 10%, it is **34.7789, 0.2976, 0.1978**.

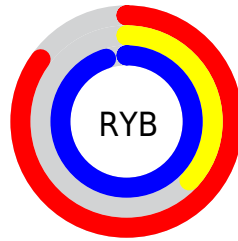
Distribution



Red (85%)

Green (37%)

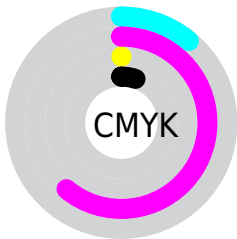
Blue (95%)



Red (85%)

Yellow (37%)

Blue (95%)

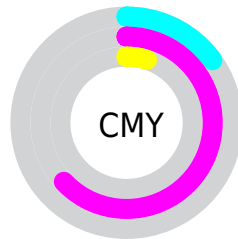


Cyan (11%)

Magenta (61%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (63%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0754, 0.2932, 0.1758 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 29.0754, 0.2932, 0.1758 by changing the saturation by 10% instead.


 29.0754, 0.2932,
0.1758

 29.0754, 0.2932,
0.1758


297.5706, 0.3068,
0.2459

 19.1379, 0.2889,
0.1606


 58.1969, 0.2989,
0.1996


 11.7699, 0.2829,
0.1424

 78.1496, 0.3008,
0.2090

 6.5872, 0.2744,
0.1205


 102.2095, 0.3024,
0.2172

 3.2053, 0.2618,
0.0942

 130.7610, 0.3036,
0.2244

 1.2398, 0.2420,
0.0633

164.1884, 0.3046,
0.2307

 0.0939, 0.2143,
0.0095

202.8762, 0.3055,

 0.0000, 0.1556,

0.2364

0.0000

247.2088, 0.3062,
0.2414

■ 0.0000, 0.0000,
0.0000

■ 29.0754, 0.2932,
0.1758

■ 29.0754, 0.2932,
0.1758

■ 24.7518, 0.2885,
0.1574

■ 34.7789, 0.2976,
0.1978

■ 21.6716, 0.2837,
0.1433

■ 41.9741, 0.3016,
0.2224

■ 19.6771, 0.2788,
0.1338

■ 50.7655, 0.3050,
0.2484


■ 18.6054, 0.2747,
0.1287


■ 61.2472, 0.3080,
0.2748

■ 73.5059, 0.3105,
0.3009

 87.6221, 0.3125,
0.3259

 97.7254, 0.3145,
0.3407

 98.5341, 0.3173,
0.3406

 99.2489, 0.3197,
0.3406

Harmonies

Analogous

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



29.0754, 0.1851, 0.1473



29.0754, 0.2932, 0.1758



29.0754, 0.4395, 0.2314

Triad

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



29.0754, 0.2932, 0.1758



29.0754, 0.5032, 0.4744



29.0754, 0.1174, 0.2852

Complementary

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



29.0754, 0.2932, 0.1758



68.9537, 0.3164, 0.5200

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.



29.0754, 0.1756, 0.4550



29.0754, 0.2932, 0.1758



29.0754, 0.3961, 0.5669

Square

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



29.0754, 0.2932, 0.1758



29.0754, 0.5703, 0.3824



29.0754, 0.2789, 0.5866



29.0754, 0.1046, 0.1870

Rectangle

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



29.0754, 0.2932, 0.1758



29.0754, 0.5251, 0.2784



29.0754, 0.2789, 0.5866



29.0754, 0.1310, 0.3356

Sweetspot

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



29.0766, 0.2932, 0.1758



72.5873, 0.3089, 0.2834



22.6059, 0.2006, 0.1639



14.7228, 0.3081, 0.2757



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.



29.0766, 0.2932, 0.1758



26.4960, 0.2871, 0.1528



31.0352, 0.3706, 0.2260



16.6077, 0.3109, 0.3055



10.2690, 0.2754, 0.1291



0.9412, 0.2814, 0.1324

Inverse Universe

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



28.4393, 0.4720, 0.3023



26.1209, 0.5265, 0.3021



68.3898, 0.2838, 0.4679



16.5315, 0.3265, 0.3247



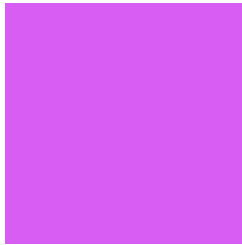
10.5718, 0.6124, 0.3147



0.9424, 0.5801, 0.2969

Previews

White Background



This preview shows how the Yxy color 29.0754, 0.2932, 0.1758 looks on a white background.

Color Contrast Check

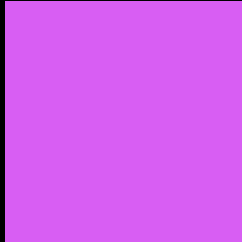
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0754, 0.2932, 0.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

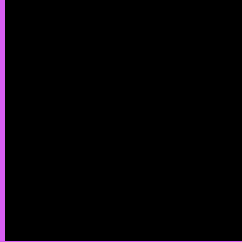
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0754, 0.2932, 0.1758

Background



This preview shows how black text looks on a background with the Yxy color 29.0754, 0.2932, 0.1758.

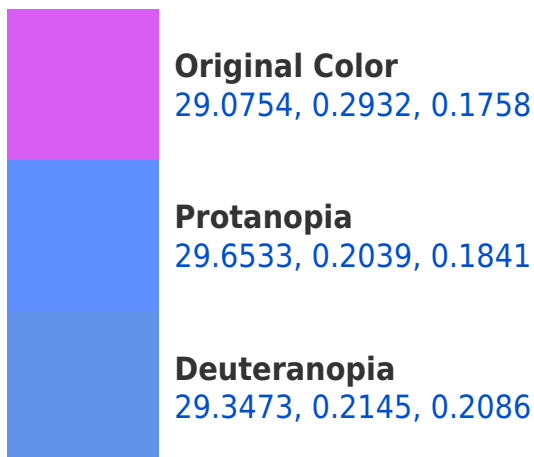


This preview shows how white text looks on a background with the Yxy color 29.0754, 0.2932, 0.1758.

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

28.8060, 0.3936, 0.3174

Trichromacy



Original Color

29.0754, 0.2932, 0.1758



Protanomaly

27.4622, 0.2261, 0.1740



Deuteranomaly

27.2155, 0.2348, 0.1880



Tritanomaly

28.2124, 0.3531, 0.2547

Monochromacy



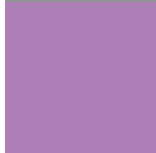
Original Color

29.0754, 0.2932, 0.1758



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.5864, 0.3055, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0754, 0.2932, 0.1758 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(216, 94, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 94, 243)  
}
```

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(216, 94, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 94, 243) }
```

Border

The CSS property to change the border of an element to Yxy 29.0754, 0.2932, 0.1758 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(216, 94, 243) }
```

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

```
.border{ border-color:rgb(216, 94, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 94, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 94, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 94, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 94,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0754, 0.2932, 0.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 94, 243) }
```

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

```
.background{ background-color: rgb(216, 94,  
243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor