

Converting Colors

$Y_{xy}(32.7220, 0.2881, 0.1814)$

Have a look what the booklet for
Yxy(32.7220, 0.2881, 0.1814)
contains.

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Color

Yxy(32.6588, 0.2878, 0.1813)

Conversions

Conversions Part 1

Format	Color
Hex	DA6CFC
RGB	218, 108, 252
RGB Percent	85%, 42%, 99%
CMY	0.1451, 0.5764, 0.0119
CMYK	0.13, 0.57, 0.00, 0.01
HSL	286°, 96%, 71%
HSV	286°, 57%, 99%
XYZ	51.8434, 32.6588, 95.6346
YIQ	157.3060, 19.3360, 68.1040

Conversions

Conversions Part 2

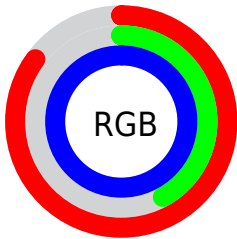
Format	Color
R _Y B	218, 108, 252
Decimal	14314748
CIE Lab	63.88, 64.20, -53.80
CIE LCh	64, 83.766, 320.035
Yxy	32.6588, 0.2878, 0.1813
Android (android.graphics.Color)	4292504828 (0xFFDA6CFC)
YUV	157.3060, 46.6841, 53.2286
Hunter-Lab	57.1479, 61.9227, -59.2159

Details

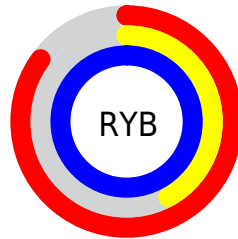
The Yxy color **32.6588, 0.2878, 0.1813** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.4274, 0.3212, 0.5046**, and the grayscale version is **33.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **13.7814, 0.2767, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **27.1910, 0.2816, 0.1601**, and if you desaturate by 10%, it is **39.6973, 0.2936, 0.2055**.

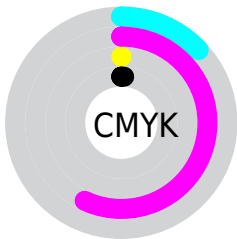
Distribution



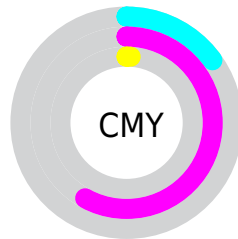
- Red (85%)
- Green (42%)
- Blue (99%)



- Red (85%)
- Yellow (42%)
- Blue (99%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (1%)





- Cyan (15%)
- Magenta (58%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6588, 0.2878, 0.1813 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 32.6588, 0.2878, 0.1813 by changing the saturation by 10% instead.


 32.6588, 0.2878,
0.1813


 32.6588, 0.2878,
0.1813


314.1095, 0.3036,
0.2482

 21.8652, 0.2832,
0.1669


 63.8425, 0.2941,
0.2039


 13.7579, 0.2769,
0.1496


 85.0013, 0.2963,
0.2129

 7.9525, 0.2683,
0.1289


 110.3840, 0.2981,
0.2207

 4.0645, 0.2558,
0.1039

 140.3750, 0.2996,
0.2276

 1.7097, 0.2369,
0.0741

175.3586, 0.3008,
0.2337

 0.4299, 0.2084,
0.0350

215.7193, 0.3019,

 0.0000, 0.1607,

0.2390

0.0000

261.8415, 0.3028,
0.2439

0.0000, 0.0000,
0.0000

32.6588, 0.2878,
0.1813

32.6588, 0.2878,
0.1813

27.1910, 0.2816,
0.1601

39.6973, 0.2936,
0.2055

23.1532, 0.2752,
0.1430

48.4230, 0.2988,
0.2317

20.3861, 0.2687,
0.1306

58.9458, 0.3035,
0.2586

18.6836, 0.2625,
0.1228

71.3650, 0.3074,
0.2854

18.3022, 0.2607,
0.1210

85.7728, 0.3107,
0.3114

99.5538, 0.3136,
0.3319

99.8059, 0.3145,
0.3319

Harmonies

Analogous

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



32.6588, 0.1878, 0.1554



32.6588, 0.2878, 0.1813



32.6588, 0.4230, 0.2336

Triad

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



32.6588, 0.2878, 0.1813



32.6588, 0.5013, 0.4660



32.6588, 0.1300, 0.2978

Complementary

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



32.6588, 0.2878, 0.1813



76.4274, 0.3212, 0.5046

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.



32.6588, 0.1901, 0.4550



32.6588, 0.2878, 0.1813



32.6588, 0.4027, 0.5501

Square

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



32.6588, 0.2878, 0.1813



32.6588, 0.5576, 0.3795



32.6588, 0.2911, 0.5688



32.6588, 0.1141, 0.1999

Rectangle

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



32.6588, 0.2878, 0.1813



32.6588, 0.5045, 0.2787



32.6588, 0.2911, 0.5688



32.6588, 0.1446, 0.3459

Sweetspot

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



32.6602, 0.2878, 0.1813



73.5043, 0.3075, 0.2858



30.1608, 0.2108, 0.1885



15.1482, 0.3067, 0.2804



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.



32.6602, 0.2878, 0.1813



27.0403, 0.2804, 0.1565



36.3723, 0.3547, 0.2229



17.3062, 0.3100, 0.3054



9.6078, 0.2618, 0.1216



0.9379, 0.2691, 0.1256

Inverse Universe

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



33.3676, 0.4454, 0.2950



28.2286, 0.4914, 0.2923



74.7993, 0.2890, 0.4698



17.2923, 0.3257, 0.3234



10.9662, 0.5977, 0.3066



1.0314, 0.5649, 0.2886

Previews

White Background



This preview shows how the Yxy color 32.6588, 0.2878, 0.1813 looks on a white background.

Color Contrast Check

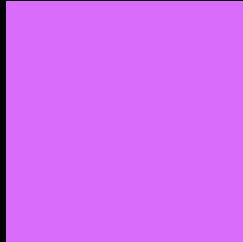
Large Text (above 18pt) WCAG AA × Fail

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 32.6588, 0.2878, 0.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

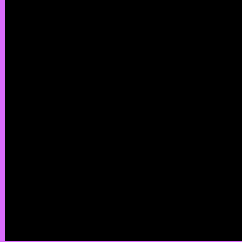
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6588, 0.2878, 0.1813

Background



This preview shows how black text looks on a background with the Yxy color 32.6588, 0.2878, 0.1813.



This preview shows how white text looks on a background with the Yxy color 32.6588, 0.2878, 0.1813.

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

32.6588, 0.2878, 0.1813

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

33.0396, 0.2172, 0.2113



Tritanopia

32.4114, 0.3760, 0.3149

Trichromacy



Original Color

32.6588, 0.2878, 0.1813



Protanomaly

31.3434, 0.2341, 0.1860



Deuteranomaly

31.0338, 0.2360, 0.1940



Tritanomaly

31.8344, 0.3409, 0.2570

Monochromacy



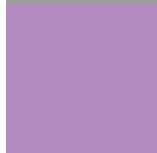
Original Color

32.6588, 0.2878, 0.1813



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.8547, 0.3030, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6588, 0.2878, 0.1813 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(218, 108, 252)` looks like.

```
.text, #text, p{  
    color:rgb(218, 108, 252)  
}
```

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(218, 108, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 108, 252) }
```

Border

The CSS property to change the border of an element to Yxy 32.6588, 0.2878, 0.1813 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(218, 108, 252) }
```

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

```
.border{ border-color:rgb(218, 108, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 108, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 108, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 108, 252); box-shadow:4px 4px 4px 4px rgb(218, 108, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6588, 0.2878, 0.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 108, 252) }
```

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

```
.background{ background-color: rgb(218,  
108, 252) }
```

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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