

Converting Colors

$Y_{xy}(31.6839, 0.2949, 0.1898)$

Have a look what the booklet for
Yxy(31.6839, 0.2949, 0.1898)
contains.

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Color

Yxy(31.6756, 0.2950, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	D76DF0
RGB	215, 109, 240
RGB Percent	84%, 43%, 94%
CMY	0.1567, 0.5727, 0.0587
CMYK	0.10, 0.55, 0.00, 0.06
HSL	289°, 81%, 68%
HSV	289°, 55%, 94%
XYZ	49.2324, 31.6756, 85.9814
YIQ	155.6280, 21.1250, 63.2130

Conversions

Conversions Part 2

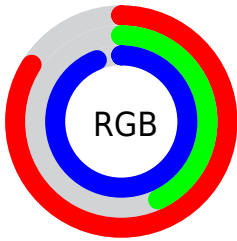
Format	Color
R _Y B	215, 109, 240
Decimal	14118384
CIE Lab	63.07, 60.72, -48.53
CIE LCh	63, 77.725, 321.367
Yxy	31.6756, 0.2950, 0.1898
Android (android.graphics.Color)	4292308464 (0xFFD76DF0)
YUV	155.6280, 41.5954, 52.0692
Hunter-Lab	56.2811, 57.6525, -51.1814

Details

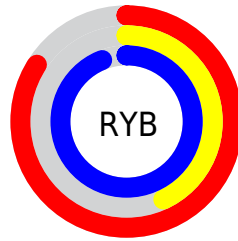
The Yxy color **31.6756, 0.2950, 0.1898** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **68.5079, 0.3179, 0.4977**, and the grayscale version is **32.8745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **13.1332, 0.2860, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **26.5542, 0.2902, 0.1687**, and if you desaturate by 10%, it is **38.2168, 0.2994, 0.2138**.

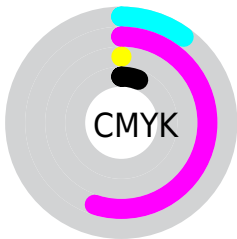
Distribution



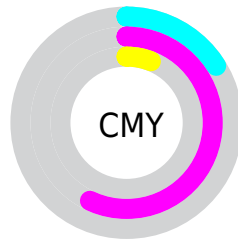
- Red (84%)
- Green (43%)
- Blue (94%)



- Red (84%)
- Yellow (43%)
- Blue (94%)



- Cyan (10%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)




- Cyan (16%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6756, 0.2950, 0.1898 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 31.6756, 0.2950, 0.1898 by changing the saturation by 10% instead.

 31.6756, 0.2950,
0.1898


 31.6756, 0.2950,
0.1898

309.6388, 0.3070,
0.2540

 21.1138, 0.2913,
0.1756


 62.3022, 0.2999,
0.2118


 13.2072, 0.2861,
0.1585


 83.1358, 0.3016,
0.2204

 7.5714, 0.2788,
0.1376


 108.1622, 0.3030,
0.2279

 3.8219, 0.2678,
0.1119

 137.7656, 0.3041,
0.2345

 1.5745, 0.2506,
0.0806

172.3307, 0.3050,
0.2403

 0.3403, 0.2242,
0.0344

212.2416, 0.3058,

 0.0000, 0.1732,

0.2454

0.0000

257.8829, 0.3064,
0.2499

■ 0.0000, 0.0000,
0.0000

■ 31.6756, 0.2950,
0.1898

■ 31.6756, 0.2950,
0.1898

■ 26.5542, 0.2902,
0.1687

■ 38.2168, 0.2994,
0.2138

■ 22.7317, 0.2852,
0.1514

■ 46.2776, 0.3033,
0.2396

■ 20.0735, 0.2801,
0.1386

■ 55.9533, 0.3067,
0.2661

■ 18.4133, 0.2750,
0.1304

■ 67.3304, 0.3095,
0.2923

■ 17.7962, 0.2723,
0.1274

■ 80.4889, 0.3118,
0.3178

95.5040, 0.3137,
0.3418

97.6020, 0.3164,
0.3436

98.4449, 0.3193,
0.3435

99.0732, 0.3214,
0.3434

Harmonies

Analogous

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



31.6756, 0.1975, 0.1635



31.6756, 0.2950, 0.1898



31.6756, 0.4223, 0.2414

Triad

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



31.6756, 0.2950, 0.1898



31.6756, 0.4909, 0.4669



31.6756, 0.1373, 0.2956

Complementary

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



31.6756, 0.2950, 0.1898



68.5079, 0.3179, 0.4977

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.



31.6756, 0.1942, 0.4397



31.6756, 0.2950, 0.1898



31.6756, 0.3971, 0.5420

Square

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



31.6756, 0.2950, 0.1898



31.6756, 0.5444, 0.3842



31.6756, 0.2901, 0.5499



31.6756, 0.1227, 0.2046

Rectangle

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



31.6756, 0.2950, 0.1898



31.6756, 0.4971, 0.2855



31.6756, 0.2901, 0.5499



31.6756, 0.1511, 0.3397

Sweetspot

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



31.6769, 0.2950, 0.1898



75.2284, 0.3091, 0.2886



26.9217, 0.2138, 0.1874



15.5028, 0.3086, 0.2832



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.



31.6769, 0.2950, 0.1898



29.6605, 0.2894, 0.1656



33.6656, 0.3595, 0.2331



15.8702, 0.3107, 0.3055



9.7945, 0.2731, 0.1278



0.8535, 0.2797, 0.1315

Inverse Universe

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



31.1823, 0.4436, 0.3026



29.3550, 0.4901, 0.3001



67.7355, 0.2865, 0.4530



15.8081, 0.3263, 0.3245



10.2625, 0.6098, 0.3133



0.8671, 0.5751, 0.2942

Previews

White Background



This preview shows how the Yxy color 31.6756, 0.2950, 0.1898 looks on a white background.

Color Contrast Check

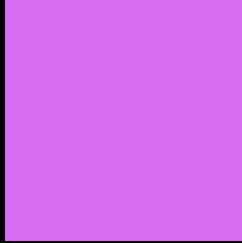
Large Text (above 18pt) WCAG AA × Fail

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 31.6756, 0.2950, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

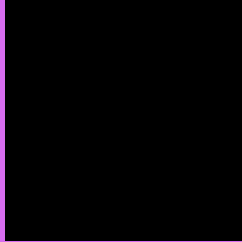
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6756, 0.2950, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 31.6756, 0.2950, 0.1898.



This preview shows how white text looks on a background with the Yxy color 31.6756, 0.2950, 0.1898.

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

31.6756, 0.2950, 0.1898

Protanopia

32.2208, 0.2113, 0.1937

Deuteranopia

31.9275, 0.2258, 0.2193



Tritanopia

31.6204, 0.3791, 0.3161

Trichromacy



Original Color

31.6756, 0.2950, 0.1898



Protanomaly

30.4331, 0.2333, 0.1870



Deuteranomaly

30.1858, 0.2450, 0.2023



Tritanomaly

31.1873, 0.3466, 0.2623

Monochromacy



Original Color

31.6756, 0.2950, 0.1898



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4002, 0.3056, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6756, 0.2950, 0.1898 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(215, 109, 240)` looks like.

```
.text, #text, p{  
    color:rgb(215, 109, 240)  
}
```

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(215, 109, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 109, 240) }
```

Border

The CSS property to change the border of an element to Yxy 31.6756, 0.2950, 0.1898 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(215, 109, 240) }
```

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

```
.border{ border-color:rgb(215, 109, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 109, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 109, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 109, 240);  
box-shadow:4px 4px 4px 4px rgb(215, 109,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6756, 0.2950, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 109, 240) }
```

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

```
.background{ background-color: rgb(215,  
109, 240) }
```

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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