

Converting Colors

$Y_{xy}(31.5873, 0.2816, 0.1736)$

Have a look what the booklet for
Yxy(31.5873, 0.2816, 0.1736)
contains.

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Color

Yxy(31.5677, 0.2825, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	D768FF
RGB	215, 104, 255
RGB Percent	84%, 41%, 100%
CMY	0.1570, 0.5920, 0.0000
CMYK	0.16, 0.59, 0.00, 0.00
HSL	284°, 100%, 70%
HSV	284°, 59%, 100%
XYZ	51.0176, 31.5677, 98.0080
YIQ	154.4030, 17.6850, 70.4930

Conversions

Conversions Part 2

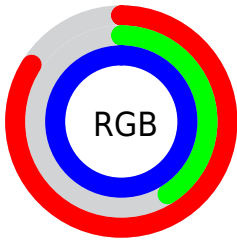
Format	Color
R _Y B	215, 104, 255
Decimal	14117119
CIE _{Lab}	62.98, 65.90, -56.93
CIE _{LCh}	63, 87.083, 319.178
Y _{xy}	31.5677, 0.2825, 0.1748
Android (android.graphics.Color)	4292307199 (0xFFD768FF)
Y _{UV}	154.4030, 49.5943, 53.1436
Hunter-Lab	56.1851, 63.7587, -64.0944

Details

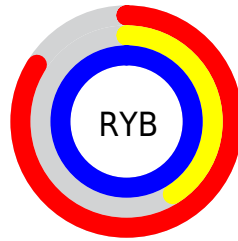
The Yxy color **31.5677, 0.2825, 0.1748** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **78.4513, 0.3235, 0.5099**, and the grayscale version is **32.2765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **13.1533, 0.2708, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **26.1847, 0.2754, 0.1538**, and if you desaturate by 10%, it is **38.5471, 0.2892, 0.1991**.

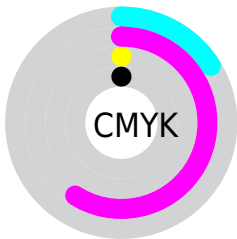
Distribution



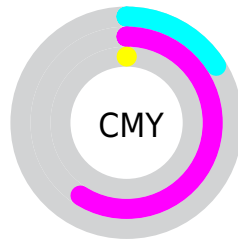
- Red (84%)
- Green (41%)
- Blue (100%)



- Red (84%)
- Yellow (41%)
- Blue (100%)



- Cyan (16%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5677, 0.2825, 0.1748 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 31.5677, 0.2825, 0.1748 by changing the saturation by 10% instead.


 31.5677, 0.2825,
0.1748


 31.5677, 0.2825,
0.1748


309.1452, 0.3012,
0.2444

 21.0315, 0.2771,
0.1599


 62.1328, 0.2899,
0.1982


 13.1470, 0.2700,
0.1423


 82.9304, 0.2925,
0.2076

 7.5299, 0.2601,
0.1211


 107.9174, 0.2946,
0.2157

 3.7956, 0.2460,
0.0959

 137.4780, 0.2964,
0.2228

 1.5599, 0.2251,
0.0665

171.9967, 0.2979,
0.2292

 0.3303, 0.1947,
0.0262

211.8579, 0.2992,

 0.0000, 0.1442,

0.2348

0.0000


257.4459, 0.3002,
0.2398


 0.0000, 0.0000,
0.0000


 31.5677, 0.2825,
0.1748


 31.5677, 0.2825,
0.1748

 26.1847, 0.2754,
0.1538


 38.5471, 0.2892,
0.1991

 22.2489, 0.2681,
0.1370


 47.2463, 0.2954,
0.2254

 19.5893, 0.2609,
0.1250

 57.7807, 0.3009,
0.2526

 17.9466, 0.2539,
0.1175

 70.2547, 0.3056,
0.2798

 17.8343, 0.2534,
0.1170

 84.7647, 0.3096,
0.3060

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



31.5677, 0.1806, 0.1492



31.5677, 0.2825, 0.1748



31.5677, 0.4239, 0.2277

Triad

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



31.5677, 0.2825, 0.1748



31.5677, 0.5089, 0.4651



31.5677, 0.1240, 0.2991

Complementary

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



31.5677, 0.2825, 0.1748



78.4513, 0.3235, 0.5099

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.



31.5677, 0.1864, 0.4671



31.5677, 0.2825, 0.1748



31.5677, 0.4062, 0.5562

Square

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



31.5677, 0.2825, 0.1748



31.5677, 0.5680, 0.3758



31.5677, 0.2910, 0.5837



31.5677, 0.1075, 0.1958

Rectangle

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



31.5677, 0.2825, 0.1748



31.5677, 0.5108, 0.2735



31.5677, 0.2910, 0.5837



31.5677, 0.1391, 0.3504

Sweetspot

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



31.5690, 0.2825, 0.1748



71.8947, 0.3061, 0.2830



30.1978, 0.2077, 0.1857



14.5522, 0.3049, 0.2752



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.



31.5690, 0.2825, 0.1748



25.3766, 0.2741, 0.1504



36.3206, 0.3541, 0.2177



18.0439, 0.3095, 0.3053



9.3958, 0.2545, 0.1176



0.9681, 0.2624, 0.1219

Inverse Universe

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



33.1807, 0.4473, 0.2897



27.5547, 0.4917, 0.2871



76.3336, 0.2897, 0.4792



18.0661, 0.3252, 0.3227



11.3452, 0.5887, 0.3017



1.1218, 0.5570, 0.2842

Previews

White Background



This preview shows how the Yxy color 31.5677, 0.2825, 0.1748 looks on a white background.

Color Contrast Check

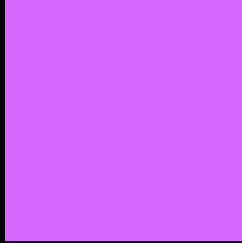
Large Text (above 18pt) WCAG AA × Fail

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 31.5677, 0.2825, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

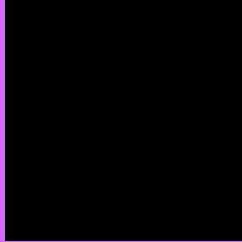
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5677, 0.2825, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 31.5677, 0.2825, 0.1748.



This preview shows how white text looks on a background with the Yxy color 31.5677, 0.2825, 0.1748.

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

31.5677, 0.2825, 0.1748

Protanopia

31.8407, 0.2105, 0.1923

Deuteranopia

31.9777, 0.2105, 0.2043



Tritanopia

31.5144, 0.3742, 0.3159

Trichromacy



Original Color

31.5677, 0.2825, 0.1748



Protanomaly

30.1060, 0.2296, 0.1805



Deuteranomaly

29.7429, 0.2290, 0.1862



Tritanomaly

30.8972, 0.3380, 0.2538

Monochromacy



Original Color

31.5677, 0.2825, 0.1748



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6000, 0.3009, 0.2550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5677, 0.2825, 0.1748 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, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 104, 255)  
}
```

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, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.5677, 0.2825, 0.1748 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, 104, 255) }
```

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

```
.border{ border-color:rgb(215, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 104,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5677, 0.2825, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 104, 255) }
```

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

```
.background{ background-color: rgb(215,  
104, 255) }
```

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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