

Converting Colors

$Y_{xy}(31.0189, 0.2815, 0.1728)$

Have a look what the booklet for
Yxy(31.0189, 0.2815, 0.1728)
contains.

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Color

Yxy(31.0189, 0.2815, 0.1728)

Conversions

Conversions Part 1

Format	Color
Hex	D666FF
RGB	214, 102, 255
RGB Percent	84%, 40%, 100%
CMY	0.1609, 0.5999, 0.0000
CMYK	0.16, 0.60, 0.00, 0.00
HSL	284°, 100%, 70%
HSV	284°, 60%, 100%
XYZ	50.5314, 31.0189, 97.9573
YIQ	152.9300, 17.6390, 71.3270

Conversions

Conversions Part 2

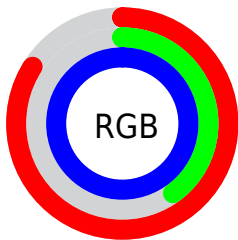
Format	Color
R _Y B	214, 102, 255
Decimal	14051071
CIE Lab	62.52, 66.59, -57.69
CIE LCh	63, 88.102, 319.096
Yxy	31.0189, 0.2815, 0.1728
Android (android.graphics.Color)	4292241151 (0xFFD666FF)
YUV	152.9300, 50.3205, 53.5584
Hunter-Lab	55.6946, 64.4863, -65.2947

Details

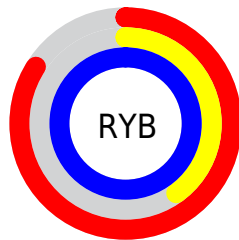
The Yxy color **31.0189, 0.2815, 0.1728** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **78.3225, 0.3237, 0.5123**, and the grayscale version is **31.5950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **12.8269, 0.2695, 0.1402** is the 20% darker color. If you saturate the color by 10%, you get **25.7455, 0.2743, 0.1521**, and if you desaturate by 10%, it is **37.8749, 0.2884, 0.1969**.

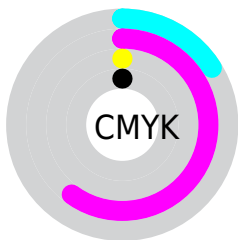
Distribution



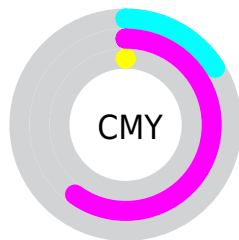
- Red (84%)
- Green (40%)
- Blue (100%)



- Red (84%)
- Yellow (40%)
- Blue (100%)



- Cyan (16%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0189, 0.2815, 0.1728 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 31.0189, 0.2815, 0.1728 by changing the saturation by 10% instead.

 31.0189, 0.2815,
0.1728


 31.0189, 0.2815,
0.1728


306.6254, 0.3008,
0.2432

 20.6132, 0.2760,
0.1578


 61.2698, 0.2891,
0.1965


 12.8416, 0.2686,
0.1399


 81.8839, 0.2918,
0.2060

 7.3196, 0.2584,
0.1186


 106.6695, 0.2940,
0.2142

 3.6627, 0.2439,
0.0933

 136.0112, 0.2959,
0.2214

 1.4868, 0.2224,
0.0639

170.2932, 0.2974,
0.2278

 0.2794, 0.1915,
0.0224

209.8999, 0.2987,


 0.0000, 0.1398,


0.2335


0.0000


255.2159, 0.2998,
0.2386


 0.0000, 0.0000,
0.0000


 31.0189, 0.2815,
0.1728


 31.0189, 0.2815,
0.1728


 25.7455, 0.2743,
0.1521


 37.8749, 0.2884,
0.1969


 21.9098, 0.2669,
0.1356

 46.4442, 0.2947,
0.2232


 19.3360, 0.2596,
0.1239

 56.8412, 0.3003,
0.2504

 17.7380, 0.2527,
0.1165

 69.1709, 0.3052,
0.2776

 17.7372, 0.2526,
0.1165

 83.5302, 0.3093,
0.3040

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.0189, 0.1786, 0.1470



31.0189, 0.2815, 0.1728



31.0189, 0.4253, 0.2260

Triad

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



31.0189, 0.2815, 0.1728



31.0189, 0.5109, 0.4653



31.0189, 0.1216, 0.2985

Complementary

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



31.0189, 0.2815, 0.1728



78.3225, 0.3237, 0.5123

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.



31.0189, 0.1844, 0.4703



31.0189, 0.2815, 0.1728



31.0189, 0.4066, 0.5587

Square

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



31.0189, 0.2815, 0.1728



31.0189, 0.5715, 0.3750



31.0189, 0.2900, 0.5888



31.0189, 0.1052, 0.1939

Rectangle

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



31.0189, 0.2815, 0.1728



31.0189, 0.5138, 0.2722



31.0189, 0.2900, 0.5888



31.0189, 0.1368, 0.3508

Sweetspot

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



31.0182, 0.2815, 0.1728



71.8700, 0.3060, 0.2830



30.4066, 0.2071, 0.1868



14.5461, 0.3048, 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.



31.0182, 0.2815, 0.1728



24.8662, 0.2728, 0.1484



36.0315, 0.3521, 0.2144



18.0410, 0.3095, 0.3053



9.3452, 0.2538, 0.1172



0.9635, 0.2617, 0.1215

Inverse Universe

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



32.7497, 0.4496, 0.2890



27.1890, 0.4948, 0.2866



76.0994, 0.2906, 0.4847



18.0671, 0.3252, 0.3226



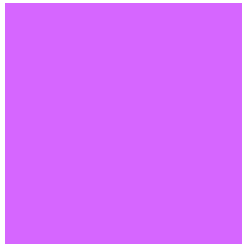
11.3503, 0.5877, 0.3011



1.1224, 0.5559, 0.2836

Previews

White Background



This preview shows how the Yxy color 31.0189, 0.2815, 0.1728 looks on a white background.

Color Contrast Check

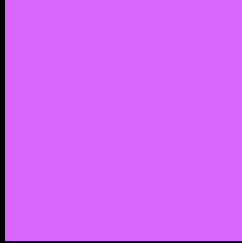
Large Text (above 18pt) WCAG AA × Fail

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 31.0189, 0.2815, 0.1728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

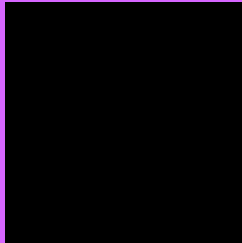
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0189, 0.2815, 0.1728

Background



This preview shows how black text looks on a background with the Yxy color 31.0189, 0.2815, 0.1728.



This preview shows how white text looks on a background with the Yxy color 31.0189, 0.2815, 0.1728.

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

31.0189, 0.2815, 0.1728

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4900, 0.2088, 0.2025



Tritanopia

30.7640, 0.3762, 0.3159

Trichromacy



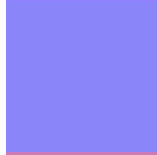
Original Color

31.0189, 0.2815, 0.1728



Protanomaly

29.4723, 0.2285, 0.1780



Deuteranomaly

29.2930, 0.2274, 0.1845



Tritanomaly

30.2171, 0.3382, 0.2523

Monochromacy



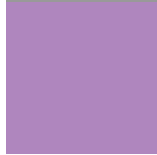
Original Color

31.0189, 0.2815, 0.1728



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.8819, 0.3009, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0189, 0.2815, 0.1728 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(214, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 102, 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(214, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.0189, 0.2815, 0.1728 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(214, 102, 255) }
```

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

```
.border{ border-color:rgb(214, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0189, 0.2815, 0.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 102, 255) }
```

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

```
.background{ background-color: rgb(214,  
102, 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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