

Converting Colors

$Y_{xy}(31.2640, 0.2716, 0.1761)$

Have a look what the booklet for
Yxy(31.2640, 0.2716, 0.1761)
contains.

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Color

Yxy(31.1454, 0.2712, 0.1756)

Conversions

Conversions Part 1

Format	Color
Hex	CA6FFF
RGB	202, 111, 255
RGB Percent	79%, 44%, 100%
CMY	0.2077, 0.5648, 0.0000
CMYK	0.21, 0.56, 0.00, 0.00
HSL	278°, 100%, 72%
HSV	278°, 56%, 100%
XYZ	48.1016, 31.1454, 98.1187
YIQ	154.6250, 8.0120, 64.0760

Conversions

Conversions Part 2

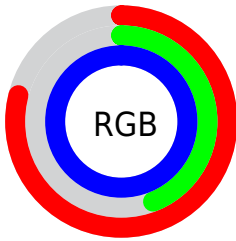
Format	Color
R _Y B	202, 111, 255
Decimal	13266943
CIE Lab	62.63, 59.53, -57.61
CIE LCh	63, 82.841, 315.939
Yxy	31.1454, 0.2712, 0.1756
Android (android.graphics.Color)	4291457023 (0xFFCA6FFF)
YUV	154.6250, 49.4849, 41.5479
Hunter-Lab	55.8081, 56.1869, -65.1748

Details

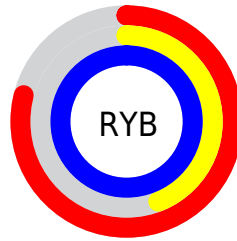
The Yxy color **31.1454, 0.2712, 0.1756** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.5544, 0.3324, 0.4966**, and the grayscale version is **32.3762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **12.8868, 0.2560, 0.1431** is the 20% darker color. If you saturate the color by 10%, you get **25.0834, 0.2613, 0.1516**, and if you desaturate by 10%, it is **38.8717, 0.2807, 0.2024**.

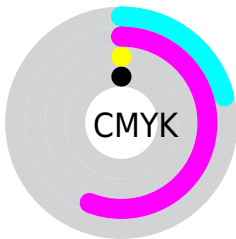
Distribution



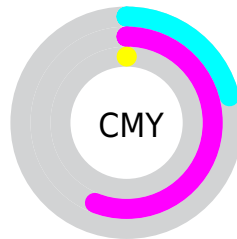
- Red (79%)
- Green (44%)
- Blue (100%)



- Red (79%)
- Yellow (44%)
- Blue (100%)



- Cyan (21%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1454, 0.2712, 0.1756 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 31.1454, 0.2712, 0.1756 by changing the saturation by 10% instead.


 31.1454, 0.2712,
0.1756


 31.1454, 0.2712,
0.1756


307.2076, 0.2953,
0.2453

 20.7096, 0.2646,
0.1606


 61.4689, 0.2805,
0.1992


 12.9119, 0.2559,
0.1427

 82.1254, 0.2838,
0.2085

 7.3679, 0.2442,
0.1214


 106.9576, 0.2866,
0.2167

 3.6932, 0.2277,
0.0958

 136.3499, 0.2889,
0.2238

 1.5035, 0.2040,
0.0659

170.6866, 0.2909,
0.2302

 0.2912, 0.1704,
0.0239

210.3522, 0.2925,


 0.0000, 0.1156,

0.2358


0.0000


255.7311, 0.2940,
0.2408

 0.0000, 0.0000,
0.0000

 31.1454, 0.2712,
0.1756

 31.1454, 0.2712,
0.1756


 25.0834, 0.2613,
0.1516


 38.8717, 0.2807,
0.2024


 20.5494, 0.2511,
0.1315


 48.3907, 0.2893,
0.2306

 17.3774, 0.2412,
0.1162

 59.8133, 0.2971,
0.2590

 15.3617, 0.2319,
0.1061

 73.2420, 0.3038,
0.2866

 14.8187, 0.2287,
0.1034

 88.7723, 0.3095,
0.3129

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.



31.1454, 0.1774, 0.1536



31.1454, 0.2712, 0.1756



31.1454, 0.4045, 0.2248

Triad

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



31.1454, 0.2712, 0.1756



31.1454, 0.5128, 0.4538



31.1454, 0.1347, 0.3165

Complementary

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



31.1454, 0.2712, 0.1756



80.5544, 0.3324, 0.4966

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.



31.1454, 0.2015, 0.4775



31.1454, 0.2712, 0.1756



31.1454, 0.4175, 0.5411

Square

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



31.1454, 0.2712, 0.1756



31.1454, 0.5608, 0.3684



31.1454, 0.3061, 0.5749



31.1454, 0.1135, 0.2088

Rectangle

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



31.1454, 0.2712, 0.1756



31.1454, 0.4907, 0.2687



31.1454, 0.3061, 0.5749



31.1454, 0.1515, 0.3675

Sweetspot

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



31.1440, 0.2712, 0.1756



72.4925, 0.3034, 0.2852



37.9379, 0.2173, 0.2154



14.9081, 0.3022, 0.2798



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.



31.1440, 0.2712, 0.1756



24.2995, 0.2597, 0.1482



38.8084, 0.3346, 0.2082



17.9469, 0.3079, 0.3051



7.8308, 0.2302, 0.1042



0.8245, 0.2405, 0.1098

Inverse Universe

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



35.3022, 0.4189, 0.2758



29.2905, 0.4544, 0.2696



76.4507, 0.2974, 0.4922



18.0975, 0.3236, 0.3203



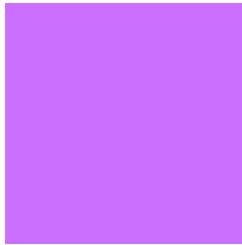
11.5554, 0.5514, 0.2811



1.1453, 0.5202, 0.2640

Previews

White Background



This preview shows how the Yxy color 31.1454, 0.2712, 0.1756 looks on a white background.

Color Contrast Check

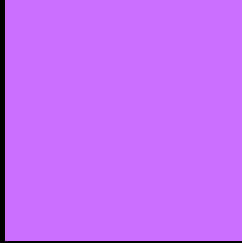
Large Text (above 18pt) WCAG AA × Fail

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 31.1454, 0.2712, 0.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

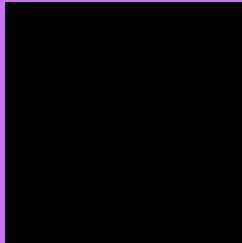
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1454, 0.2712, 0.1756

Background



This preview shows how black text looks on a background with the Yxy color 31.1454, 0.2712, 0.1756.



This preview shows how white text looks on a background with the Yxy color 31.1454, 0.2712, 0.1756.

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

31.1454, 0.2712, 0.1756

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4990, 0.2080, 0.2014



Tritanopia

30.9815, 0.3519, 0.3138

Trichromacy



Original Color

31.1454, 0.2712, 0.1756



Protanomaly

30.1234, 0.2259, 0.1814



Deuteranomaly

29.7800, 0.2243, 0.1862



Tritanomaly

30.4077, 0.3195, 0.2529

Monochromacy



Original Color

31.1454, 0.2712, 0.1756



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9975, 0.2970, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1454, 0.2712, 0.1756 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(202, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 111, 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(202, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.1454, 0.2712, 0.1756 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(202, 111, 255) }
```

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

```
.border{ border-color:rgb(202, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1454, 0.2712, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 111, 255) }
```

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

```
.background{ background-color: rgb(202,  
111, 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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