

Converting Colors

$Y_{xy}(31.3608, 0.2615, 0.1787)$

Have a look what the booklet for
Yxy(31.3608, 0.2615, 0.1787)
contains.

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Color

Yxy(31.3608, 0.2615, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	BE77FF
RGB	190, 119, 255
RGB Percent	75%, 47%, 100%
CMY	0.2547, 0.5334, 0.0000
CMYK	0.25, 0.53, 0.00, 0.00
HSL	271°, 100%, 73%
HSV	271°, 53%, 100%
XYZ	45.8917, 31.3608, 98.2416
YIQ	155.7330, -1.3400, 57.3480

Conversions

Conversions Part 2

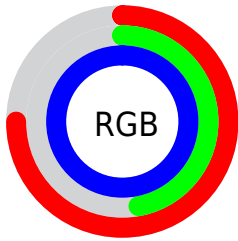
Format	Color
R _Y B	190, 119, 255
Decimal	12482559
CIE _{Lab}	62.81, 52.55, -57.38
CIE _{LCh}	63, 77.808, 312.486
Y _{xy}	31.3608, 0.2615, 0.1787
Android (android.graphics.Color)	4290672639 (0xFFBE77FF)
YUV	155.7330, 48.9386, 30.0522
Hunter-Lab	56.0007, 48.2767, -64.8115

Details

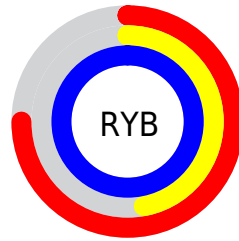
The Yxy color **31.3608, 0.2615, 0.1787** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **83.0316, 0.3416, 0.4821**, and the grayscale version is **32.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2469, 0.3117, 0.2476**, and **13.0321, 0.2445, 0.1465** is the 20% darker color. If you saturate the color by 10%, you get **24.5832, 0.2488, 0.1516**, and if you desaturate by 10%, it is **39.8994, 0.2736, 0.2079**.

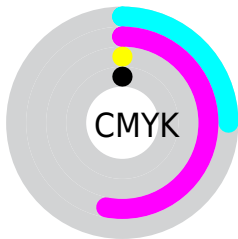
Distribution



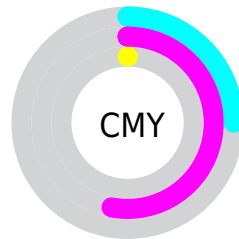
- Red (75%)
- Green (47%)
- Blue (100%)



- Red (75%)
- Yellow (47%)
- Blue (100%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3608, 0.2615, 0.1787 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 31.3608, 0.2615, 0.1787 by changing the saturation by 10% instead.


 31.3608, 0.2615,
0.1787


 31.3608, 0.2615,
0.1787


308.1971, 0.2900,
0.2475

 20.8737, 0.2539,
0.1638


 61.8077, 0.2723,
0.2021

 13.0317, 0.2441,
0.1459


 82.5363, 0.2762,
0.2113

 7.4504, 0.2309,
0.1245


 107.4475, 0.2795,
0.2194

 3.7453, 0.2128,
0.0987

136.9258, 0.2823,
0.2264

 1.5322, 0.1872,
0.0683

171.3555, 0.2847,
0.2327

 0.3112, 0.1514,
0.0260

211.1210, 0.2867,

 0.0000, 0.0919,

0.2382


0.0000


256.6067, 0.2885,
0.2431


 0.0000, 0.0000,
0.0000


 31.3608, 0.2615,
0.1787

 31.3608, 0.2615,
0.1787

 24.5832, 0.2488,
0.1516


 39.8994, 0.2736,
0.2079


 19.4265, 0.2359,
0.1281


 50.3172, 0.2847,
0.2376


 15.7340, 0.2234,
0.1094

 62.7260, 0.2945,
0.2669

 13.3142, 0.2119,
0.0963

 77.2277, 0.3031,
0.2948

 12.2271, 0.2049,
0.0902

 93.9169, 0.3105,
0.3208

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.



31.3608, 0.1765, 0.1606



31.3608, 0.2615, 0.1787



31.3608, 0.3843, 0.2235

Triad

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



31.3608, 0.2615, 0.1787



31.3608, 0.5130, 0.4419



31.3608, 0.1487, 0.3344

Complementary

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



31.3608, 0.2615, 0.1787



83.0316, 0.3416, 0.4821

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.



31.3608, 0.2191, 0.4828



31.3608, 0.2615, 0.1787



31.3608, 0.4274, 0.5237

Square

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



31.3608, 0.2615, 0.1787



31.3608, 0.5482, 0.3611



31.3608, 0.3218, 0.5605



31.3608, 0.1226, 0.2248

Rectangle

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



31.3608, 0.2615, 0.1787



31.3608, 0.4674, 0.2650



31.3608, 0.3218, 0.5605



31.3608, 0.1671, 0.3835

Sweetspot

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



31.3620, 0.2615, 0.1787



73.1653, 0.3010, 0.2876



45.7212, 0.2262, 0.2408



15.0092, 0.2992, 0.2819



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.



31.3620, 0.2615, 0.1787



24.1964, 0.2479, 0.1499



41.5225, 0.3207, 0.2032



17.8447, 0.3061, 0.3050



6.4785, 0.2066, 0.0912



0.6958, 0.2186, 0.0978

Inverse Universe

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



37.9050, 0.3921, 0.2632



31.7713, 0.4172, 0.2535



76.8265, 0.3037, 0.4983



18.1315, 0.3219, 0.3177



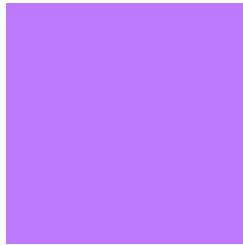
11.8695, 0.5060, 0.2561



1.1776, 0.4794, 0.2414

Previews

White Background



This preview shows how the Yxy color 31.3608, 0.2615, 0.1787 looks on a white background.

Color Contrast Check

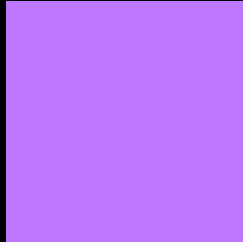
Large Text (above 18pt) WCAG AA × Fail

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 31.3608, 0.2615, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

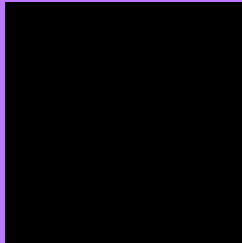
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3608, 0.2615, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 31.3608, 0.2615, 0.1787.

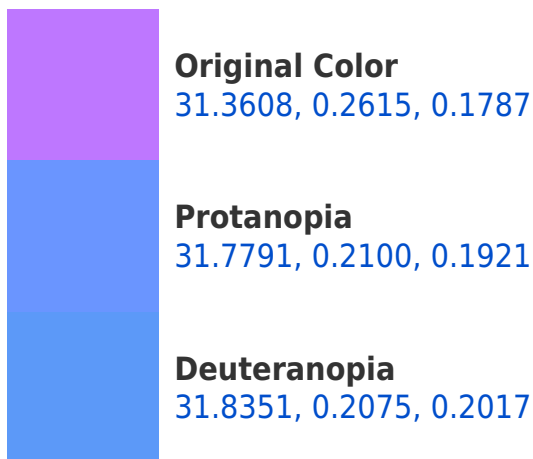


This preview shows how white text looks on a background with the Yxy color 31.3608, 0.2615, 0.1787.

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





Tritanopia

31.1973, 0.3325, 0.3132

Trichromacy



Original Color

31.3608, 0.2615, 0.1787



Protanomaly

30.7153, 0.2246, 0.1842



Deuteranomaly

30.6040, 0.2216, 0.1892



Tritanomaly

30.6732, 0.3039, 0.2543

Monochromacy



Original Color

31.3608, 0.2615, 0.1787



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.7755, 0.2923, 0.2618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3608, 0.2615, 0.1787 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(190, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 119, 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(190, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.3608, 0.2615, 0.1787 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(190, 119, 255) }
```

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

```
.border{ border-color:rgb(190, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3608, 0.2615, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 119, 255) }
```

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

```
.background{ background-color: rgb(190,  
119, 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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