

Converting Colors

$Y_{xy}(31.1826, 0.2704, 0.1880)$

Have a look what the booklet for
Yxy(31.1826, 0.2704, 0.1880)
contains.

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Color

Yxy(31.2320, 0.2704, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	C078F5
RGB	192, 120, 245
RGB Percent	75%, 47%, 96%
CMY	0.2468, 0.5295, 0.0392
CMYK	0.22, 0.51, 0.00, 0.04
HSL	275°, 86%, 72%
HSV	275°, 51%, 96%
XYZ	44.9448, 31.2320, 90.0392
YIQ	155.7780, 2.7870, 54.1390

Conversions

Conversions Part 2

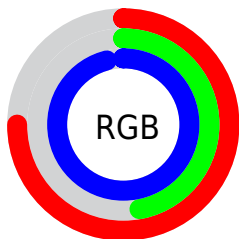
Format	Color
R _Y B	192, 120, 245
Decimal	12613877
CIE Lab	62.70, 50.30, -52.03
CIE LCh	63, 72.369, 314.033
Yxy	31.2320, 0.2704, 0.1879
Android (android.graphics.Color)	4290803957 (0xFFC078F5)
YUV	155.7780, 43.9864, 31.7667
Hunter-Lab	55.8856, 45.7551, -56.4043

Details

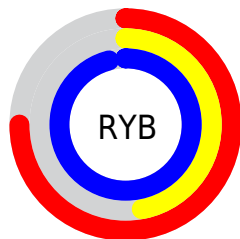
The Yxy color **31.2320, 0.2704, 0.1879** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75.5305, 0.3364, 0.4771**, and the grayscale version is **32.9420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0013, 0.3133, 0.2490**, and **12.9160, 0.2546, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **24.7691, 0.2592, 0.1612**, and if you desaturate by 10%, it is **39.2999, 0.2809, 0.2164**.

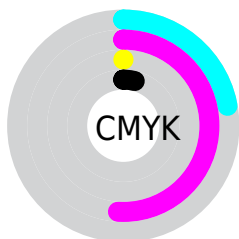
Distribution



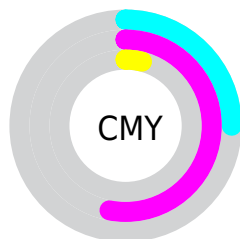
- Red (75%)
- Green (47%)
- Blue (96%)



- Red (75%)
- Yellow (47%)
- Blue (96%)



- Cyan (22%)
- Magenta (51%)
- Yellow (0%)
- Black (4%)




- Cyan (25%)
- Magenta (53%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2320, 0.2704, 0.1879 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 31.2320, 0.2704, 0.1879 by changing the saturation by 10% instead.


 31.2320, 0.2704,
0.1879


 31.2320, 0.2704,
0.1879

307.6057, 0.2944,
0.2534

 20.7756, 0.2638,
0.1734


 61.6051, 0.2796,
0.2104

 12.9601, 0.2552,
0.1558


 82.2907, 0.2830,
0.2192

 7.4010, 0.2435,
0.1345

 107.1547, 0.2857,
0.2269

 3.7142, 0.2270,
0.1083

136.5815, 0.2880,
0.2336

 1.5150, 0.2028,
0.0767

170.9557, 0.2900,
0.2394

 0.2992, 0.1681,
0.0295

210.6615, 0.2917,

 0.0000, 0.1009,

0.2446

0.0000

256.0834, 0.2931,
0.2493

0.0000, 0.0000,
0.0000

31.2320, 0.2704,
0.1879

31.2320, 0.2704,
0.1879

24.7691, 0.2592,
0.1612

39.2999, 0.2809,
0.2164

19.7882, 0.2477,
0.1377

49.0759, 0.2904,
0.2455

16.1537, 0.2363,
0.1187

60.6588, 0.2987,
0.2740

13.7022, 0.2254,
0.1049

74.1384, 0.3060,
0.3011

12.2767, 0.2164,
0.0966

89.5988, 0.3121,
0.3265

99.2397, 0.3181,
0.3386

99.3721, 0.3185,
0.3386

Harmonies

Analogous

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



31.2320, 0.1871, 0.1692



31.2320, 0.2704, 0.1879



31.2320, 0.3864, 0.2323

Triad

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



31.2320, 0.2704, 0.1879



31.2320, 0.5004, 0.4437



31.2320, 0.1558, 0.3287

Complementary

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



31.2320, 0.2704, 0.1879



75.5305, 0.3364, 0.4771

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.



31.2320, 0.2216, 0.4643



31.2320, 0.2704, 0.1879



31.2320, 0.4193, 0.5174

Square

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



31.2320, 0.2704, 0.1879



31.2320, 0.5342, 0.3663



31.2320, 0.3187, 0.5427



31.2320, 0.1317, 0.2283

Rectangle

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



31.2320, 0.2704, 0.1879



31.2320, 0.4625, 0.2727



31.2320, 0.3187, 0.5427



31.2320, 0.1730, 0.3732

Sweetspot

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



31.2332, 0.2704, 0.1879



75.0333, 0.3032, 0.2905



40.9140, 0.2283, 0.2372



15.3934, 0.3017, 0.2847



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.



31.2332, 0.2704, 0.1879



27.0648, 0.2591, 0.1609



38.9332, 0.3261, 0.2130



16.3984, 0.3070, 0.3052



6.6974, 0.2180, 0.0975



0.6491, 0.2304, 0.1043

Inverse Universe

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



35.8526, 0.3949, 0.2728



32.9974, 0.4208, 0.2642



70.8585, 0.3013, 0.4819



16.5990, 0.3227, 0.3190



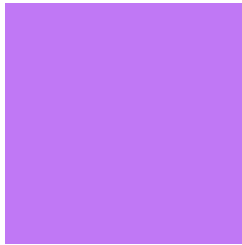
11.0199, 0.5283, 0.2684



0.9886, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 31.2320, 0.2704, 0.1879 looks on a white background.

Color Contrast Check

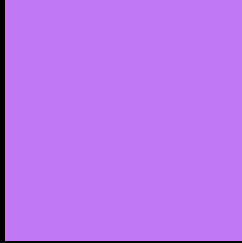
Large Text (above 18pt) WCAG AA × Fail

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 31.2320, 0.2704, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

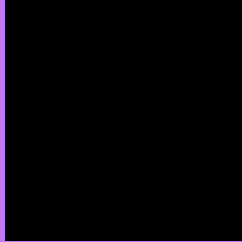
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2320, 0.2704, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 31.2320, 0.2704, 0.1879.

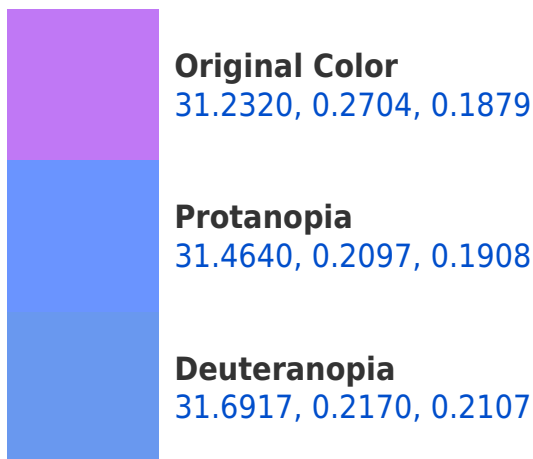


This preview shows how white text looks on a background with the Yxy color 31.2320, 0.2704, 0.1879.

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

30.9930, 0.3393, 0.3134

Trichromacy



Original Color

31.2320, 0.2704, 0.1879



Protanomaly

30.4604, 0.2266, 0.1875



Deuteranomaly

30.4254, 0.2322, 0.1986



Tritanomaly

30.5404, 0.3118, 0.2596

Monochromacy



Original Color

31.2320, 0.2704, 0.1879



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.7108, 0.2968, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2320, 0.2704, 0.1879 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(192, 120, 245)` looks like.

```
.text, #text, p{  
    color:rgb(192, 120, 245)  
}
```

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(192, 120, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 120, 245) }
```

Border

The CSS property to change the border of an element to Yxy 31.2320, 0.2704, 0.1879 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(192, 120, 245) }
```

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

```
.border{ border-color:rgb(192, 120, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 120, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 120, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 120, 245);  
box-shadow:4px 4px 4px 4px rgb(192, 120,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2320, 0.2704, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 120, 245) }
```

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

```
.background{ background-color: rgb(192,  
120, 245) }
```

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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