

Converting Colors

$Y_{xy}(31.1546, 0.2648, 0.1853)$

Have a look what the booklet for
Yxy(31.1546, 0.2648, 0.1853)
contains.

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Color

Yxy(31.1434, 0.2648, 0.1852)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BC79F8 |
| RGB | 188, 121, 248 |
| RGB Percent | 74%, 47%, 97% |
| CMY | 0.2626, 0.5256, 0.0274 |
| CMYK | 0.24, 0.51, 0.00, 0.03 |
| HSL | 272°, 90%, 72% |
| HSV | 272°, 51%, 97% |
| XYZ | 44.5290, 31.1434, 92.4885 |
| YIQ | 155.5110, -0.8350, 53.7010 |

Conversions

Conversions Part 2

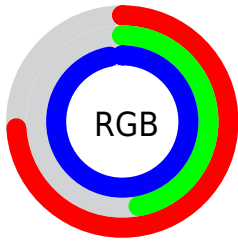
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 188, 121, 248 |
| Decimal | 12351992 |
| CIE Lab | 62.63, 49.42, -53.84 |
| CIE LCh | 63, 73.085, 312.545 |
| Yxy | 31.1434, 0.2648, 0.1852 |
| Android (android.graphics.Color) | 4290542072 (0xFFBC79F8) |
| YUV | 155.5110, 45.5971, 28.4929 |
| Hunter-Lab | 55.8063, 44.7680, -59.1977 |

Details

The Yxy color **31.1434, 0.2648, 0.1852** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **78.3472, 0.3405, 0.4758**, and the grayscale version is **32.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6541, 0.3101, 0.2492**, and **12.8431, 0.2475, 0.1522** is the 20% darker color. If you saturate the color by 10%, you get **24.4452, 0.2523, 0.1577**, and if you desaturate by 10%, it is **39.5138, 0.2765, 0.2145**.

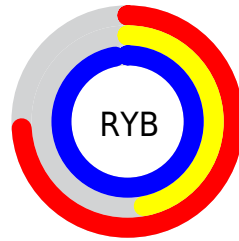
Distribution



Red (74%)

Green (47%)

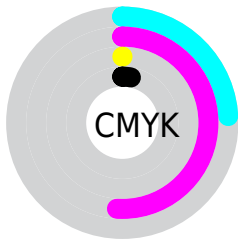
Blue (97%)



Red (74%)

Yellow (47%)

Blue (97%)

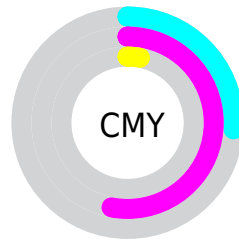


Cyan (24%)

Magenta (51%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (53%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1434, 0.2648, 0.1852 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 31.1434, 0.2648, 0.1852 by changing the saturation by 10% instead.


 31.1434, 0.2648,
0.1852


 31.1434, 0.2648,
0.1852


307.1984, 0.2916,
0.2519


 20.7081, 0.2576,
0.1705


 61.4658, 0.2750,
0.2080

 12.9108, 0.2482,
0.1528


 82.1216, 0.2787,
0.2170

 7.3671, 0.2355,
0.1313


 106.9530, 0.2818,
0.2248

 3.6927, 0.2179,
0.1051

136.3445, 0.2844,
0.2316

 1.5032, 0.1925,
0.0737

170.6804, 0.2866,
0.2376

 0.2910, 0.1566,
0.0275

210.3451, 0.2885,

 0.0000, 0.0888,

0.2429

0.0000


255.7229, 0.2901,
0.2476


 0.0000, 0.0000,
0.0000

 31.1434, 0.2648,
0.1852


 31.1434, 0.2648,
0.1852

 24.4452, 0.2523,
0.1577


 39.5138, 0.2765,
0.2145


 19.2915, 0.2396,
0.1333


 49.6641, 0.2872,
0.2441

 15.5411, 0.2271,
0.1136

 61.6967, 0.2967,
0.2731

 13.0239, 0.2154,
0.0993

 75.7052, 0.3049,
0.3005

 11.5976, 0.2061,
0.0909

 91.7769, 0.3119,
0.3260

99.5587, 0.3168,
0.3357

Harmonies

Analogous

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



31.1434, 0.1829, 0.1677



31.1434, 0.2648, 0.1852



31.1434, 0.3810, 0.2287

Triad

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



31.1434, 0.2648, 0.1852



31.1434, 0.5049, 0.4402



31.1434, 0.1567, 0.3349

Complementary

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



31.1434, 0.2648, 0.1852



78.3472, 0.3405, 0.4758

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.



31.1434, 0.2249, 0.4722



31.1434, 0.2648, 0.1852



31.1434, 0.4245, 0.5158

Square

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



31.1434, 0.2648, 0.1852



31.1434, 0.5362, 0.3625



31.1434, 0.3235, 0.5462



31.1434, 0.1306, 0.2308

Rectangle

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



31.1434, 0.2648, 0.1852



31.1434, 0.4589, 0.2689



31.1434, 0.3235, 0.5462



31.1434, 0.1747, 0.3805

Sweetspot

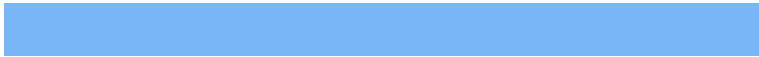
The Sweet Spot groups the original color and five complimentary colors.



31.1446, 0.2648, 0.1852



74.7112, 0.3019, 0.2903



44.4550, 0.2296, 0.2452



15.3158, 0.3002, 0.2845



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.



31.1446, 0.2648, 0.1852



26.1206, 0.2525, 0.1580



40.2780, 0.3204, 0.2076



17.0939, 0.3062, 0.3051



6.3481, 0.2077, 0.0918



0.6511, 0.2203, 0.0987

Inverse Universe

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



36.9646, 0.3881, 0.2662



33.2821, 0.4109, 0.2567



72.6441, 0.3041, 0.4905



17.3617, 0.3220, 0.3179



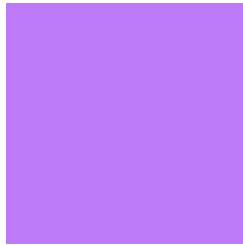
11.5033, 0.5081, 0.2572



1.0866, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 31.1434, 0.2648, 0.1852 looks on a white background.

Color Contrast Check

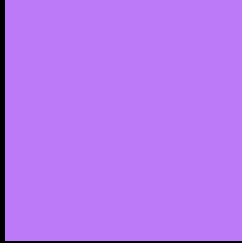
Large Text (above 18pt) WCAG AA × Fail

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 31.1434, 0.2648, 0.1852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

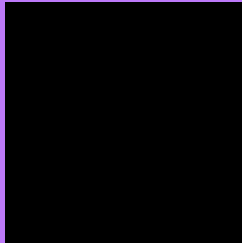
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1434, 0.2648, 0.1852

Background



This preview shows how black text looks on a background with the Yxy color 31.1434, 0.2648, 0.1852.



This preview shows how white text looks on a background with the Yxy color 31.1434, 0.2648, 0.1852.

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

31.1434, 0.2648, 0.1852

Protanopia

31.4640, 0.2097, 0.1908

Deuteranopia

31.5766, 0.2132, 0.2071



Tritanopia

31.0837, 0.3315, 0.3131

Trichromacy



Original Color

31.1434, 0.2648, 0.1852



Protanomaly

30.4395, 0.2255, 0.1864



Deuteranomaly

30.4869, 0.2275, 0.1961



Tritanomaly

30.7474, 0.3048, 0.2578

Monochromacy



Original Color

31.1434, 0.2648, 0.1852



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.6439, 0.2949, 0.2655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1434, 0.2648, 0.1852 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(188, 121, 248)` looks like.

```
.text, #text, p{  
    color:rgb(188, 121, 248)  
}
```

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(188, 121, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 121, 248) }
```

Border

The CSS property to change the border of an element to Yxy 31.1434, 0.2648, 0.1852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

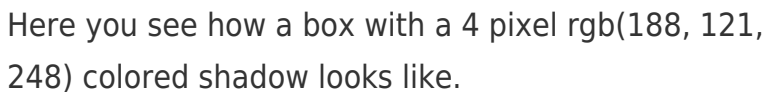
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 121, 248) }
```

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

```
.border{ border-color:rgb(188, 121, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 121, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 121, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 121, 248); box-shadow:4px 4px 4px 4px rgb(188, 121, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1434, 0.2648, 0.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 121, 248) }
```

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

```
.background{ background-color: rgb(188,  
121, 248) }
```

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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