

Converting Colors

$Y_{xy}(31.0154, 0.2542, 0.1789)$

Have a look what the booklet for
Yxy(31.0154, 0.2542, 0.1789)
contains.

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Color

Yxy(30.9628, 0.2543, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	B57AFF
RGB	181, 122, 255
RGB Percent	71%, 48%, 100%
CMY	0.2902, 0.5215, 0.0001
CMYK	0.29, 0.52, 0.00, 0.00
HSL	267°, 100%, 74%
HSV	267°, 52%, 100%
XYZ	44.0618, 30.9628, 98.2423
YIQ	154.8030, -7.5290, 53.8710

Conversions

Conversions Part 2

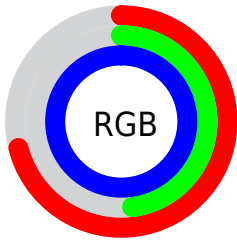
Format	Color
RYB	181, 122, 255
Decimal	11893503
CIELab	62.48, 48.71, -57.96
CIElCh	62, 75.708, 310.046
Yxy	30.9628, 0.2543, 0.1787
Android (android.graphics.Color)	4290083583 (0xFFB57AFF)
YUV	154.8030, 49.3971, 22.9748
Hunter-Lab	55.6442, 43.9675, -65.7282

Details

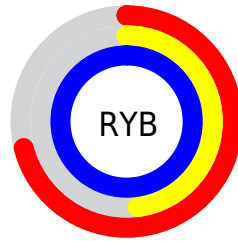
The Yxy color **30.9628, 0.2543, 0.1787** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.6455, 0.3482, 0.4751**, and the grayscale version is **32.4686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7959, 0.3046, 0.2489**, and **12.8228, 0.2355, 0.1463** is the 20% darker color. If you saturate the color by 10%, you get **23.8734, 0.2397, 0.1499**, and if you desaturate by 10%, it is **39.8714, 0.2682, 0.2092**.

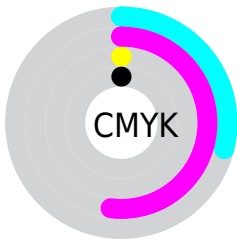
Distribution



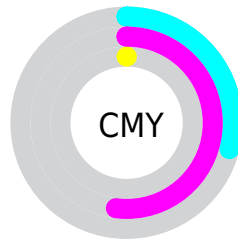
- Red (71%)
- Green (48%)
- Blue (100%)



- Red (71%)
- Yellow (48%)
- Blue (100%)



- Cyan (29%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9628, 0.2543, 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 30.9628, 0.2543, 0.1787 by changing the saturation by 10% instead.


 30.9628, 0.2543,
0.1787

 30.9628, 0.2543,
0.1787


306.3669, 0.2863,
0.2479

 20.5705, 0.2459,
0.1636


 61.1815, 0.2663,
0.2022

 12.8104, 0.2351,
0.1456

 81.7767, 0.2707,
0.2116

 7.2981, 0.2208,
0.1239


 106.5417, 0.2744,
0.2197

 3.6492, 0.2014,
0.0978

135.8608, 0.2775,
0.2267

 1.4794, 0.1741,
0.0672

170.1185, 0.2802,
0.2330

 0.2741, 0.1369,
0.0233

209.6992, 0.2825,


 0.0000, 0.0710,

0.2385

0.0000

254.9872, 0.2845,
0.2434


 0.0000, 0.0000,
0.0000

 30.9628, 0.2543,
0.1787

 30.9628, 0.2543,
0.1787

 23.8734, 0.2397,
0.1499

 39.8714, 0.2682,
0.2092


 18.4630, 0.2251,
0.1246


 50.7178, 0.2810,
0.2400


 14.5760, 0.2112,
0.1041

 63.6144, 0.2924,
0.2698

 12.0236, 0.1986,
0.0896

 78.6639, 0.3024,
0.2979

 10.7369, 0.1899,
0.0820

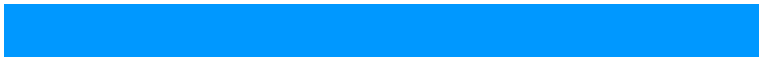
 95.9618, 0.3110,
0.3237

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



30.9628, 0.1740, 0.1632



30.9628, 0.2543, 0.1787



30.9628, 0.3725, 0.2210

Triad

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



30.9628, 0.2543, 0.1787



30.9628, 0.5151, 0.4345



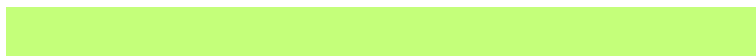
30.9628, 0.1558, 0.3460

Complementary

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



30.9628, 0.2543, 0.1787



84.6455, 0.3482, 0.4751

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.



30.9628, 0.2289, 0.4891



30.9628, 0.2543, 0.1787



30.9628, 0.4343, 0.5149

Square

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



30.9628, 0.2543, 0.1787



30.9628, 0.5430, 0.3555



30.9628, 0.3313, 0.5557



30.9628, 0.1264, 0.2337

Rectangle

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



30.9628, 0.2543, 0.1787



30.9628, 0.4549, 0.2611



30.9628, 0.3313, 0.5557



30.9628, 0.1753, 0.3945

Sweetspot

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



30.9640, 0.2543, 0.1787



72.6205, 0.2988, 0.2873



51.4526, 0.2310, 0.2577



14.8795, 0.2967, 0.2815



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.



30.9640, 0.2543, 0.1787



23.3536, 0.2385, 0.1476



40.7537, 0.3107, 0.2008



17.7721, 0.3049, 0.3049



5.6966, 0.1916, 0.0829



0.6182, 0.2042, 0.0898

Inverse Universe

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



39.1626, 0.3776, 0.2543



32.7772, 0.3982, 0.2421



77.7265, 0.3092, 0.4945



18.1563, 0.3207, 0.3159



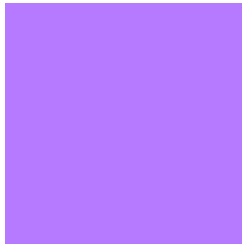
12.1579, 0.4726, 0.2377



1.2058, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 30.9628, 0.2543, 0.1787 looks on a white background.

Color Contrast Check

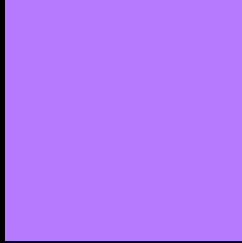
Large Text (above 18pt) WCAG AA × Fail

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 30.9628, 0.2543, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

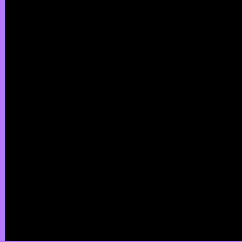
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9628, 0.2543, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 30.9628, 0.2543, 0.1787.



This preview shows how white text looks on a background with the Yxy color 30.9628, 0.2543, 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



Original Color

30.9628, 0.2543, 0.1787

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4199, 0.2056, 0.1991



Tritanopia

30.8129, 0.3187, 0.3112

Trichromacy



Original Color

30.9628, 0.2543, 0.1787



Protanomaly

30.6718, 0.2223, 0.1845



Deuteranomaly

30.1524, 0.2180, 0.1880



Tritanomaly

30.2876, 0.2932, 0.2526

Monochromacy



Original Color

30.9628, 0.2543, 0.1787



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.2990, 0.2894, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9628, 0.2543, 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(181, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 122, 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(181, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.9628, 0.2543, 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(181, 122, 255) }
```

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

```
.border{ border-color:rgb(181, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9628, 0.2543, 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(181, 122, 255) }
```

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

```
.background{ background-color: rgb(181,  
122, 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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