

Converting Colors

$Y_{xy}(34.0535, 0.2255, 0.1426)$

Have a look what the booklet for
Yxy(34.0535, 0.2255, 0.1426)
contains.

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Color

Yxy(30.1220, 0.2547, 0.1751)

Conversions

Conversions Part 1

Format	Color
Hex	B676FF
RGB	182, 118, 255
RGB Percent	71%, 46%, 100%
CMY	0.2863, 0.5372, 0.0001
CMYK	0.29, 0.54, 0.00, 0.00
HSL	268°, 100%, 73%
HSV	268°, 54%, 100%
XYZ	43.8154, 30.1220, 98.0900
YIQ	152.7540, -5.8330, 56.1750

Conversions

Conversions Part 2

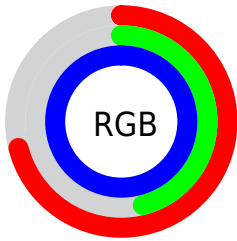
Format	Color
R _Y B	182, 118, 255
Decimal	11958015
CIE Lab	61.76, 51.08, -59.09
CIE LCh	62, 78.108, 310.839
Yxy	30.1220, 0.2547, 0.1751
Android (android.graphics.Color)	4290148095 (0xFFB676FF)
YUV	152.7540, 50.4073, 25.6487
Hunter-Lab	54.8835, 46.4565, -67.5470

Details

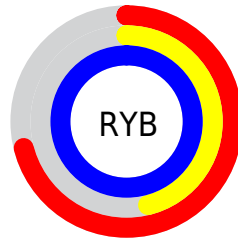
The Yxy color **30.1220, 0.2547, 0.1751** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.8868, 0.3467, 0.4806**, and the grayscale version is **31.5235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4258, 0.3054, 0.2451**, and **12.2876, 0.2358, 0.1414** is the 20% darker color. If you saturate the color by 10%, you get **23.3324, 0.2406, 0.1471**, and if you desaturate by 10%, it is **38.6969, 0.2682, 0.2051**.

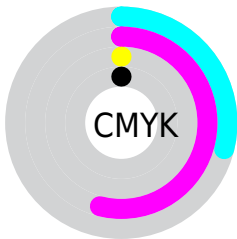
Distribution



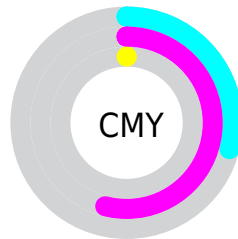
- Red (71%)
- Green (46%)
- Blue (100%)



- Red (71%)
- Yellow (46%)
- Blue (100%)



- Cyan (29%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1220, 0.2547, 0.1751 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 30.1220, 0.2547, 0.1751 by changing the saturation by 10% instead.


 30.1220, 0.2547,
0.1751


 30.1220, 0.2547,
0.1751


302.4727, 0.2867,
0.2458


 19.9312, 0.2463,
0.1598


 59.8551, 0.2668,
0.1991

 12.3450, 0.2354,
0.1415


 80.1661, 0.2712,
0.2086

 6.9791, 0.2209,
0.1195


 104.6194, 0.2749,
0.2169

 3.4490, 0.2012,
0.0933

133.5993, 0.2780,
0.2241

 1.3704, 0.1735,
0.0628

167.4901, 0.2807,
0.2305

 0.1948, 0.1362,
0.0168

206.6764, 0.2830,

 0.0000, 0.0683,

0.2362

0.0000

251.5425, 0.2850,
0.2413

0.0000, 0.0000,
0.0000

30.1220, 0.2547,
0.1751

30.1220, 0.2547,
0.1751

23.3324, 0.2406,
0.1471

38.6969, 0.2682,
0.2051

18.1862, 0.2265,
0.1228

49.1773, 0.2806,
0.2356

14.5243, 0.2131,
0.1036

61.6764, 0.2918,
0.2654

12.1521, 0.2010,
0.0902

76.2975, 0.3015,
0.2936

11.1485, 0.1942,
0.0843

93.1367, 0.3099,
0.3198

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



30.1220, 0.1712, 0.1584



30.1220, 0.2547, 0.1751



30.1220, 0.3780, 0.2190

Triad

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



30.1220, 0.2547, 0.1751



30.1220, 0.5190, 0.4377



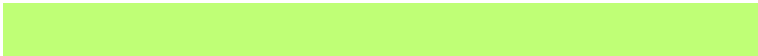
30.1220, 0.1491, 0.3421

Complementary

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



30.1220, 0.2547, 0.1751



83.8868, 0.3467, 0.4806

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.



30.1220, 0.2224, 0.4934



30.1220, 0.2547, 0.1751



30.1220, 0.4336, 0.5219

Square

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



30.1220, 0.2547, 0.1751



30.1220, 0.5515, 0.3565



30.1220, 0.3271, 0.5652



30.1220, 0.1208, 0.2273

Rectangle

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



30.1220, 0.2547, 0.1751



30.1220, 0.4636, 0.2602



30.1220, 0.3271, 0.5652



30.1220, 0.1685, 0.3928

Sweetspot

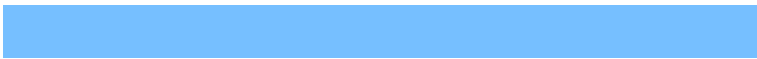
The Sweet Spot groups the original color and five complimentary colors.



30.1231, 0.2547, 0.1751



72.7820, 0.2994, 0.2874



48.3582, 0.2275, 0.2491



14.9179, 0.2975, 0.2816



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.



30.1231, 0.2547, 0.1751



23.1692, 0.2402, 0.1464



40.5779, 0.3146, 0.1992



17.7937, 0.3052, 0.3050



5.9136, 0.1959, 0.0853



0.6401, 0.2083, 0.0921

Inverse Universe

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



37.9763, 0.3841, 0.2554



32.1246, 0.4052, 0.2448



76.9917, 0.3068, 0.5011



18.1489, 0.3210, 0.3164



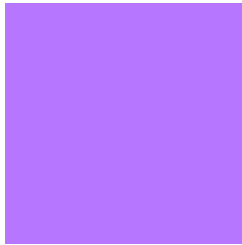
12.0662, 0.4825, 0.2432



1.1969, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 30.1220, 0.2547, 0.1751 looks on a white background.

Color Contrast Check

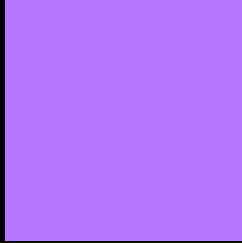
Large Text (above 18pt) WCAG AA × Fail

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 30.1220, 0.2547, 0.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

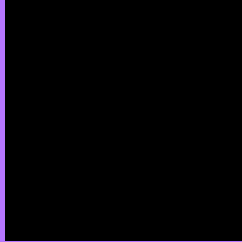
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1220, 0.2547, 0.1751

Background



This preview shows how black text looks on a background with the Yxy color 30.1220, 0.2547, 0.1751.



This preview shows how white text looks on a background with the Yxy color 30.1220, 0.2547, 0.1751.

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

30.1220, 0.2547, 0.1751

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.4290, 0.2029, 0.1965



Tritanopia

30.2056, 0.3230, 0.3127

Trichromacy



Original Color

30.1220, 0.2547, 0.1751



Protanomaly

29.5741, 0.2198, 0.1803



Deuteranomaly

29.0639, 0.2155, 0.1837



Tritanomaly

29.7475, 0.2959, 0.2525

Monochromacy



Original Color

30.1220, 0.2547, 0.1751



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.3664, 0.2901, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1220, 0.2547, 0.1751 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(182, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 118, 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(182, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.1220, 0.2547, 0.1751 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(182, 118, 255) }
```

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

```
.border{ border-color:rgb(182, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1220, 0.2547, 0.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 118, 255) }
```

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

```
.background{ background-color: rgb(182,  
118, 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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