

Converting Colors

$Yxy(45.5783, 0.2321, 0.1804)$

Have a look what the booklet for
Yxy(45.5783, 0.2321, 0.1804)
contains.

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Color

Yxy(41.8400, 0.2586, 0.2186)

Conversions

Conversions Part 1

Format	Color
Hex	B59FFF
RGB	181, 159, 255
RGB Percent	71%, 62%, 100%
CMY	0.2903, 0.3764, 0.0000
CMYK	0.29, 0.38, 0.00, 0.00
HSL	254°, 100%, 81%
HSV	254°, 38%, 100%
XYZ	49.4960, 41.8400, 100.0638
YIQ	176.5220, -17.7040, 34.5200

Conversions

Conversions Part 2

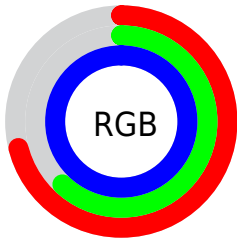
Format	Color
R _Y B	181, 159, 255
Decimal	11902975
CIE Lab	70.76, 28.30, -44.86
CIE LCh	71, 53.040, 302.245
Yxy	41.8400, 0.2586, 0.2186
Android (android.graphics.Color)	4290093055 (0xFFB59FFF)
YUV	176.5220, 38.6897, 3.9272
Hunter-Lab	64.6838, 23.3912, -46.4410

Details

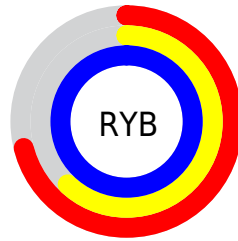
The Yxy color **41.8400, 0.2586, 0.2186** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.3464, 0.3544, 0.4280**, and the grayscale version is **43.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6639, 0.3034, 0.2877**, and **19.0282, 0.2432, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **31.7452, 0.2405, 0.1850**, and if you desaturate by 10%, it is **54.0824, 0.2754, 0.2512**.

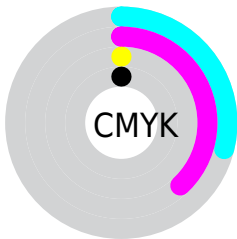
Distribution



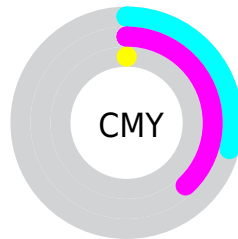
- Red (71%)
- Green (62%)
- Blue (100%)



- Red (71%)
- Yellow (62%)
- Blue (100%)



- Cyan (29%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8400, 0.2586, 0.2186 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 41.8400, 0.2586, 0.2186 by changing the saturation by 10% instead.

 41.8400, 0.2586,
0.2186


 41.8400, 0.2586,
0.2186


353.8192, 0.2863,
0.2700

 28.9760, 0.2517,
0.2071


 77.9574, 0.2687,
0.2363

 19.0627, 0.2430,
0.1930


 101.9796, 0.2724,
0.2433

 11.7156, 0.2317,
0.1755


130.4901, 0.2756,
0.2492

 6.5503, 0.2164,
0.1535

163.8731, 0.2784,
0.2544

 3.1825, 0.1950,
0.1253

202.5132, 0.2807,
0.2590

 1.2277, 0.1641,
0.0894

246.7946, 0.2828,

 0.0842, 0.1220,

0.2631

0.0133

297.1018, 0.2846,
0.2667

0.0000, 0.0000,
0.0000

41.8400, 0.2586,
0.2186

41.8400, 0.2586,
0.2186

31.7452, 0.2405,
0.1850

54.0824, 0.2754,
0.2512

23.6670, 0.2219,
0.1522

68.5831, 0.2905,
0.2818

17.4678, 0.2036,
0.1221

85.4510, 0.3038,
0.3097

12.9899, 0.1870,
0.0971

99.9992, 0.3127,
0.3290

10.0490, 0.1732,
0.0788

■ 8.4055, 0.1630,
0.0679

■ 8.1282, 0.1610,
0.0660

Harmonies

Analogous

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



41.8400, 0.2069, 0.2141



41.8400, 0.2586, 0.2186



41.8400, 0.3324, 0.2453

Triad

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



41.8400, 0.2586, 0.2186



41.8400, 0.4600, 0.3995



41.8400, 0.2197, 0.3655

Complementary

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



41.8400, 0.2586, 0.2186



91.3464, 0.3544, 0.4280

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.



41.8400, 0.2801, 0.4407



41.8400, 0.2586, 0.2186



41.8400, 0.4196, 0.4489

Square

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



41.8400, 0.2586, 0.2186



41.8400, 0.4579, 0.3430



41.8400, 0.3534, 0.4708



41.8400, 0.1862, 0.2874

Rectangle

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



41.8400, 0.2586, 0.2186



41.8400, 0.3850, 0.2730



41.8400, 0.3534, 0.4708



41.8400, 0.2373, 0.3932

Sweetspot

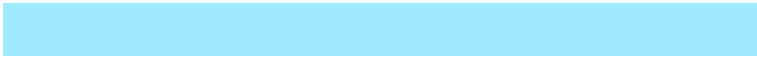
The Sweet Spot groups the original color and five complimentary colors.



41.8416, 0.2586, 0.2186



79.5159, 0.2995, 0.3006



73.5485, 0.2566, 0.3053



16.5235, 0.2977, 0.2969



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.



41.8416, 0.2586, 0.2186



34.2096, 0.2454, 0.1939



48.4827, 0.2949, 0.2292



17.5781, 0.3014, 0.3047



4.3023, 0.1622, 0.0667



0.4654, 0.1727, 0.0725

Inverse Universe

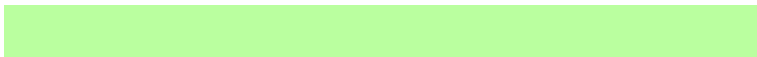
The Inverse Universe completely reimagines the original color for something new.



51.9459, 0.3353, 0.2548



45.7329, 0.3411, 0.2409



84.4814, 0.3235, 0.4386



18.2251, 0.3173, 0.3109



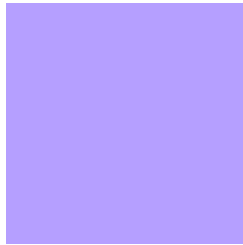
13.2315, 0.3890, 0.1916



1.3048, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 41.8400, 0.2586, 0.2186 looks on a white background.

Color Contrast Check

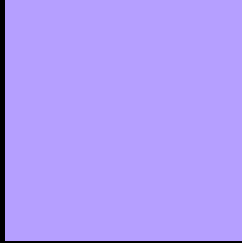
Large Text (above 18pt) WCAG AA × Fail

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 41.8400, 0.2586, 0.2186 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 41.8400, 0.2586, 0.2186

Background



This preview shows how black text looks on a background with the Yxy color 41.8400, 0.2586, 0.2186.



This preview shows how white text looks on a background with the Yxy color 41.8400, 0.2586, 0.2186.

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

41.8400, 0.2586, 0.2186

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.1088, 0.2355, 0.2299



Tritanopia

41.6905, 0.2963, 0.3100

Trichromacy



Original Color

41.8400, 0.2586, 0.2186

Protanomaly

41.6605, 0.2432, 0.2222

Deuteranomaly

41.6978, 0.2431, 0.2249

Tritanomaly

41.5294, 0.2814, 0.2724

Monochromacy



Original Color

41.8400, 0.2586, 0.2186

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.6222, 0.2916, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8400, 0.2586, 0.2186 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, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 159, 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, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8400, 0.2586, 0.2186 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, 159, 255) }
```

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

```
.border{ border-color:rgb(181, 159, 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, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 159, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 159, 255); box-shadow:4px 4px 4px 4px rgb(181, 159, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8400, 0.2586, 0.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 159, 255) }
```

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

```
.background{ background-color: rgb(181,  
159, 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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