

Converting Colors

$Y_{xy}(28.5741, 0.2648, 0.1752)$

Have a look what the booklet for
Yxy(28.5741, 0.2648, 0.1752)
contains.

Yxy(28.5586, 0.2646, 0.1753)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5586, 0.2646, 0.1753)

Conversions

Conversions Part 1

Format	Color
Hex	BC6EF7
RGB	188, 110, 247
RGB Percent	74%, 43%, 97%
CMY	0.2627, 0.5687, 0.0313
CMYK	0.24, 0.55, 0.00, 0.03
HSL	274°, 90%, 70%
HSV	274°, 55%, 97%
XYZ	43.1067, 28.5586, 91.2474
YIQ	148.9400, 2.5110, 59.1430

Conversions

Conversions Part 2

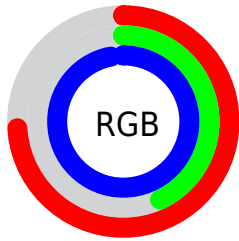
Format	Color
R _Y B	188, 110, 247
Decimal	12349175
CIE Lab	60.39, 54.89, -56.85
CIE LCh	60, 79.024, 313.992
Yxy	28.5586, 0.2646, 0.1753
Android (android.graphics.Color)	4290539255 (0xFFBC6EF7)
YUV	148.9400, 48.3436, 34.2556
Hunter-Lab	53.4402, 50.4637, -63.8275

Details

The Yxy color **28.5586, 0.2646, 0.1753** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **76.0909, 0.3379, 0.4903**, and the grayscale version is **29.8211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5451, 0.3104, 0.2385**, and **11.4693, 0.2470, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **22.6506, 0.2530, 0.1497**, and if you desaturate by 10%, it is **36.0535, 0.2756, 0.2033**.

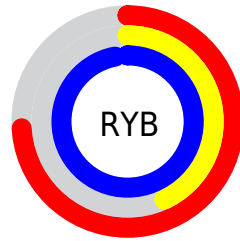
Distribution



Red (74%)

Green (43%)

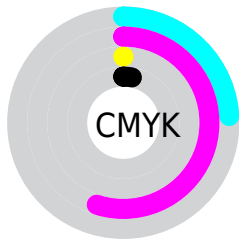
Blue (97%)



Red (74%)

Yellow (43%)

Blue (97%)

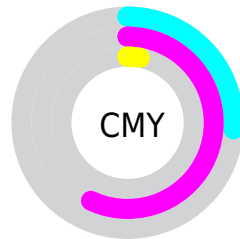


Cyan (24%)

Magenta (55%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (57%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5586, 0.2646, 0.1753 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 28.5586, 0.2646, 0.1753 by changing the saturation by 10% instead.

 28.5586, 0.2646,
0.1753

 28.5586, 0.2646,
0.1753

295.1266, 0.2922,
0.2464

 18.7472, 0.2570,
0.1598


 57.3750, 0.2752,
0.1996

 11.4877, 0.2471,
0.1412


 77.1488, 0.2790,
0.2091

 6.3959, 0.2337,
0.1188


 101.0122, 0.2822,
0.2174

 3.0873, 0.2149,
0.0919

 129.3496, 0.2848,
0.2247

 1.1775, 0.1878,
0.0606

162.5453, 0.2871,
0.2311

 0.0432, 0.1513,
0.0043

200.9838, 0.2890,

 0.0000, 0.0717,

0.2368

0.0000


245.0494, 0.2907,
0.2418


 0.0000, 0.0000,
0.0000

 28.5586, 0.2646,
0.1753

 28.5586, 0.2646,
0.1753


 22.6506, 0.2530,
0.1497


 36.0535, 0.2756,
0.2033


 18.1972, 0.2413,
0.1279


 45.2463, 0.2858,
0.2324


 15.0494, 0.2299,
0.1111

 56.2417, 0.2948,
0.2613

 13.0219, 0.2194,
0.0996

 69.1348, 0.3027,
0.2892

 12.3480, 0.2149,
0.0957

 84.0137, 0.3095,
0.3155

98.9005, 0.3154,
0.3367

99.4963, 0.3173,
0.3366

Harmonies

Analogous

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



28.5586, 0.1748, 0.1553



28.5586, 0.2646, 0.1753



28.5586, 0.3941, 0.2225

Triad

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



28.5586, 0.2646, 0.1753



28.5586, 0.5155, 0.4475



28.5586, 0.1400, 0.3264

Complementary

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



28.5586, 0.2646, 0.1753



76.0909, 0.3379, 0.4903

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.



28.5586, 0.2095, 0.4841



28.5586, 0.2646, 0.1753



28.5586, 0.4240, 0.5337

Square

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



28.5586, 0.2646, 0.1753



28.5586, 0.5576, 0.3638



28.5586, 0.3143, 0.5715



28.5586, 0.1161, 0.2158

Rectangle

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



28.5586, 0.2646, 0.1753



28.5586, 0.4803, 0.2654



28.5586, 0.3143, 0.5715



28.5586, 0.1579, 0.3775

Sweetspot

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



28.5597, 0.2646, 0.1753



72.0220, 0.3015, 0.2850



38.5446, 0.2211, 0.2274



14.7968, 0.3000, 0.2794



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.



28.5597, 0.2646, 0.1753



23.4597, 0.2511, 0.1458



37.0934, 0.3274, 0.2046



16.3924, 0.3069, 0.3052



6.6151, 0.2165, 0.0966



0.6420, 0.2290, 0.1035

Inverse Universe

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



33.7919, 0.4047, 0.2676



30.0830, 0.4359, 0.2593



71.1801, 0.3006, 0.4971



16.6010, 0.3226, 0.3188



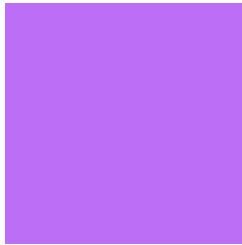
11.0394, 0.5253, 0.2668



0.9904, 0.4935, 0.2493

Previews

White Background



This preview shows how the Yxy color 28.5586, 0.2646, 0.1753 looks on a white background.

Color Contrast Check

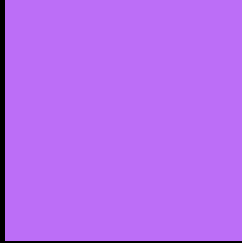
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5586, 0.2646, 0.1753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

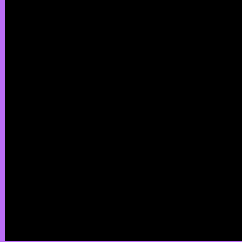
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5586, 0.2646, 0.1753

Background



This preview shows how black text looks on a background with the Yxy color 28.5586, 0.2646, 0.1753.



This preview shows how white text looks on a background with the Yxy color 28.5586, 0.2646, 0.1753.

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

28.5586, 0.2646, 0.1753

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.8275, 0.2057, 0.1987



Tritanopia

28.3728, 0.3403, 0.3128

Trichromacy



Original Color

28.5586, 0.2646, 0.1753



Protanomaly

27.5827, 0.2186, 0.1750



Deuteranomaly

27.4571, 0.2203, 0.1848



Tritanomaly

27.9448, 0.3098, 0.2527

Monochromacy



Original Color

28.5586, 0.2646, 0.1753



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6173, 0.2934, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5586, 0.2646, 0.1753 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, 110, 247)` looks like.

```
.text, #text, p{  
    color:rgb(188, 110, 247)  
}
```

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, 110, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 110, 247) }
```

Border

The CSS property to change the border of an element to Yxy 28.5586, 0.2646, 0.1753 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, 110, 247) }
```

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

```
.border{ border-color:rgb(188, 110, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 110, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 110, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 110, 247); box-shadow:4px 4px 4px 4px rgb(188, 110, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5586, 0.2646, 0.1753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 110, 247) }
```

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

```
.background{ background-color: rgb(188,  
110, 247) }
```

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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