

Converting Colors

$Y_{xy}(28.0463, 0.2629, 0.1711)$

Have a look what the booklet for
Yxy(28.0463, 0.2629, 0.1711)
contains.

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Color

Yxy(28.0463, 0.2629, 0.1711)

Conversions

Conversions Part 1

Format	Color
Hex	BC6BF9
RGB	188, 107, 249
RGB Percent	74%, 42%, 98%
CMY	0.2628, 0.5804, 0.0235
CMYK	0.25, 0.57, 0.00, 0.02
HSL	274°, 92%, 70%
HSV	274°, 57%, 98%
XYZ	43.0939, 28.0463, 92.7774
YIQ	147.4070, 2.6940, 61.3340

Conversions

Conversions Part 2

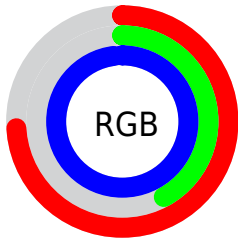
Format	Color
R _Y B	188, 107, 249
Decimal	12348409
CIE Lab	59.93, 56.83, -58.69
CIE LCh	60, 81.698, 314.075
Yxy	28.0463, 0.2629, 0.1711
Android (android.graphics.Color)	4290538489 (0xFFBC6BF9)
YUV	147.4070, 50.0853, 35.6001
Hunter-Lab	52.9588, 52.5723, -66.7978

Details

The Yxy color **28.0463, 0.2629, 0.1711** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.1527, 0.3380, 0.4950**, and the grayscale version is **29.1436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4839, 0.3105, 0.2356**, and **11.2694, 0.2449, 0.1367** is the 20% darker color. If you saturate the color by 10%, you get **22.2717, 0.2513, 0.1460**, and if you desaturate by 10%, it is **35.4184, 0.2740, 0.1988**.

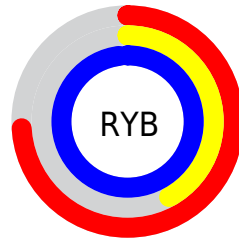
Distribution



Red (74%)

Green (42%)

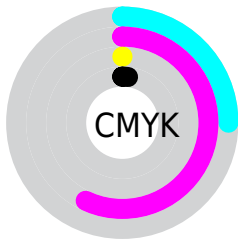
Blue (98%)



Red (74%)

Yellow (42%)

Blue (98%)

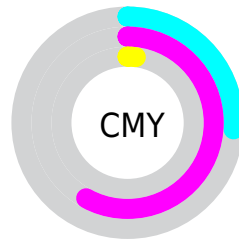


Cyan (25%)

Magenta (57%)

Yellow (0%)

Black (2%)



Cyan (26%)


Magenta (58%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0463, 0.2629, 0.1711 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 28.0463, 0.2629, 0.1711 by changing the saturation by 10% instead.

 28.0463, 0.2629,
0.1711


 28.0463, 0.2629,
0.1711

292.6881, 0.2915,
0.2438


 18.3606, 0.2551,
0.1553


 56.5584, 0.2739,
0.1958


 11.2092, 0.2448,
0.1365


 76.1535, 0.2779,
0.2056

 6.2077, 0.2310,
0.1140


 99.8205, 0.2811,
0.2141

 2.9718, 0.2117,
0.0872

 127.9438, 0.2839,
0.2216

 1.1170, 0.1840,
0.0564

160.9078, 0.2862,
0.2281

 0.0000, 0.1472,
0.0000

199.0970, 0.2882,


 0.0000, 0.0685,


0.2339


0.0000

242.8956, 0.2900,
0.2391

 0.0000, 0.0000,
0.0000


 28.0463, 0.2629,
0.1711

 28.0463, 0.2629,
0.1711


 22.2717, 0.2513,
0.1460


 35.4184, 0.2740,
0.1988


 17.9570, 0.2396,
0.1250


 44.5035, 0.2843,
0.2278


 14.9457, 0.2283,
0.1090

 55.4098, 0.2935,
0.2569

 13.0368, 0.2179,
0.0983

 68.2354, 0.3016,
0.2850

 12.5905, 0.2150,
0.0958

 83.0713, 0.3085,
0.3115

99.0930, 0.3144,
0.3347

99.6206, 0.3162,
0.3347

Harmonies

Analogous

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



28.0463, 0.1709, 0.1506



28.0463, 0.2629, 0.1711



28.0463, 0.3973, 0.2192

Triad

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



28.0463, 0.2629, 0.1711



28.0463, 0.5201, 0.4486



28.0463, 0.1344, 0.3250

Complementary

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



28.0463, 0.2629, 0.1711



77.1527, 0.3380, 0.4950

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.



28.0463, 0.2048, 0.4909



28.0463, 0.2629, 0.1711



28.0463, 0.4247, 0.5392

Square

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



28.0463, 0.2629, 0.1711



28.0463, 0.5656, 0.3628



28.0463, 0.3120, 0.5817



28.0463, 0.1109, 0.2111

Rectangle

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



28.0463, 0.2629, 0.1711



28.0463, 0.4871, 0.2630



28.0463, 0.3120, 0.5817



28.0463, 0.1523, 0.3784

Sweetspot

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



28.0474, 0.2629, 0.1711



72.0282, 0.3016, 0.2850



38.1744, 0.2186, 0.2239



14.7983, 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.



28.0474, 0.2629, 0.1711



22.9547, 0.2500, 0.1436



36.9248, 0.3279, 0.2018



17.1315, 0.3069, 0.3051



6.8241, 0.2166, 0.0967



0.6946, 0.2285, 0.1032

Inverse Universe

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



33.4890, 0.4089, 0.2664



29.6390, 0.4389, 0.2589



72.1599, 0.3003, 0.5025



17.3491, 0.3226, 0.3188



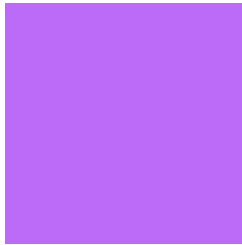
11.3761, 0.5259, 0.2671



1.0744, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 28.0463, 0.2629, 0.1711 looks on a white background.

Color Contrast Check

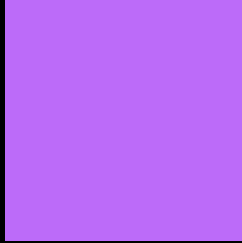
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0463, 0.2629, 0.1711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

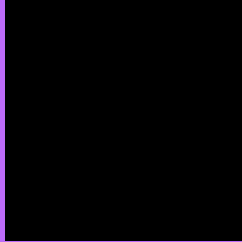
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0463, 0.2629, 0.1711

Background



This preview shows how black text looks on a background with the Yxy color 28.0463, 0.2629, 0.1711.



This preview shows how white text looks on a background with the Yxy color 28.0463, 0.2629, 0.1711.

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

28.0463, 0.2629, 0.1711

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.5709, 0.2024, 0.1969



Tritanopia

27.9183, 0.3416, 0.3142

Trichromacy



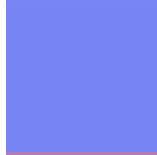
Original Color

28.0463, 0.2629, 0.1711



Protanomaly

27.2280, 0.2166, 0.1726



Deuteranomaly

26.9561, 0.2171, 0.1818



Tritanomaly

27.4332, 0.3099, 0.2500

Monochromacy



Original Color

28.0463, 0.2629, 0.1711



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.6446, 0.2932, 0.2549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0463, 0.2629, 0.1711 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, 107, 249)` looks like.

```
.text, #text, p{  
    color:rgb(188, 107, 249)  
}
```

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, 107, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 107, 249) }
```

Border

The CSS property to change the border of an element to Yxy 28.0463, 0.2629, 0.1711 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, 107, 249) }
```

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

```
.border{ border-color:rgb(188, 107, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 107, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 107, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 107, 249);  
box-shadow:4px 4px 4px 4px rgb(188, 107,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0463, 0.2629, 0.1711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 107, 249) }
```

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

```
.background{ background-color: rgb(188,  
107, 249) }
```

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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