

Converting Colors

$Y_{xy}(28.6143, 0.2825, 0.1767)$

Have a look what the booklet for
Yxy(28.6143, 0.2825, 0.1767)
contains.

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Color

Yxy(28.6158, 0.2819, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	CC65F3
RGB	204, 101, 243
RGB Percent	80%, 40%, 95%
CMY	0.2000, 0.6039, 0.0472
CMYK	0.16, 0.58, 0.00, 0.05
HSL	284°, 85%, 67%
HSV	284°, 58%, 95%
XYZ	45.7301, 28.6158, 87.8752
YIQ	147.9850, 15.8060, 65.9980

Conversions

Conversions Part 2

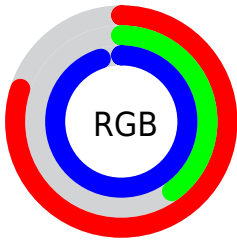
Format	Color
R_{YB}	204, 101, 243
Decimal	13395443
CIE _{Lab}	60.44, 62.31, -54.41
CIE _{LCh}	60, 82.722, 318.869
Yxy	28.6158, 0.2819, 0.1764
Android (android.graphics.Color)	4291585523 (0xFFCC65F3)
YUV	147.9850, 46.8424, 49.1252
Hunter-Lab	53.4937, 58.9800, -59.9512

Details

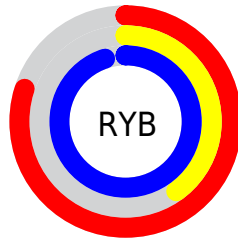
The Yxy color **28.6158, 0.2819, 0.1764** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **70.5890, 0.3244, 0.5066**, and the grayscale version is **29.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **11.4575, 0.2682, 0.1421** is the 20% darker color. If you saturate the color by 10%, you get **23.6534, 0.2745, 0.1549**, and if you desaturate by 10%, it is **35.0149, 0.2888, 0.2010**.

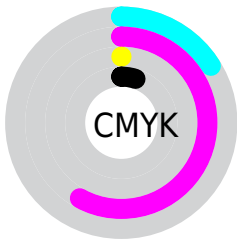
Distribution



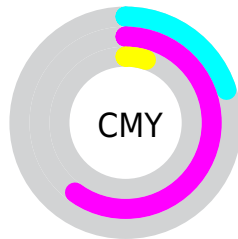
- Red (80%)
- Green (40%)
- Blue (95%)



- Red (80%)
- Yellow (40%)
- Blue (95%)



- Cyan (16%)
- Magenta (58%)
- Yellow (0%)
- Black (5%)





- Cyan (20%)
- Magenta (60%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6158, 0.2819, 0.1764 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 28.6158, 0.2819, 0.1764 by changing the saturation by 10% instead.


 28.6158, 0.2819,
0.1764


 28.6158, 0.2819,
0.1764


295.3979, 0.3010,
0.2467


 18.7904, 0.2763,
0.1610


 57.4661, 0.2896,
0.2004


 11.5189, 0.2687,
0.1426


 77.2598, 0.2922,
0.2098

 6.4170, 0.2581,
0.1205


 101.1450, 0.2944,
0.2181

 3.1003, 0.2428,
0.0938

 129.5061, 0.2962,
0.2252

 1.1843, 0.2197,
0.0625

162.7276, 0.2977,
0.2316

 0.0488, 0.1879,
0.0051

201.1938, 0.2990,

 0.0000, 0.1186,

0.2372

0.0000

245.2891, 0.3001,
0.2422

0.0000, 0.0000,
0.0000

28.6158, 0.2819,
0.1764

28.6158, 0.2819,
0.1764

23.6534, 0.2745,
0.1549

35.0149, 0.2888,
0.2010

19.9969, 0.2670,
0.1375

42.9591, 0.2952,
0.2275

17.4968, 0.2596,
0.1249

52.5505, 0.3008,
0.2548

15.9395, 0.2524,
0.1169

63.8809, 0.3057,
0.2819

15.7333, 0.2513,
0.1158

77.0358, 0.3098,
0.3081

92.0944, 0.3132,
0.3328

98.4378, 0.3170,
0.3406

99.2487, 0.3197,
0.3406

Harmonies

Analogous

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



28.6158, 0.1817, 0.1513



28.6158, 0.2819, 0.1764



28.6158, 0.4206, 0.2286

Triad

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



28.6158, 0.2819, 0.1764



28.6158, 0.5078, 0.4636



28.6158, 0.1270, 0.3015

Complementary

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



28.6158, 0.2819, 0.1764



70.5890, 0.3244, 0.5066

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.



28.6158, 0.1896, 0.4660



28.6158, 0.2819, 0.1764



28.6158, 0.4073, 0.5524

Square

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



28.6158, 0.2819, 0.1764



28.6158, 0.5646, 0.3755



28.6158, 0.2934, 0.5790



28.6158, 0.1099, 0.1988

Rectangle

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



28.6158, 0.2819, 0.1764



28.6158, 0.5062, 0.2740



28.6158, 0.2934, 0.5790



28.6158, 0.1423, 0.3520

Sweetspot

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



28.6170, 0.2819, 0.1764



71.8191, 0.3058, 0.2829



28.3534, 0.2101, 0.1915



14.5336, 0.3045, 0.2751



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.



28.6170, 0.2819, 0.1764



25.5831, 0.2732, 0.1515



33.1207, 0.3506, 0.2170



16.5264, 0.3094, 0.3054



8.7085, 0.2524, 0.1164



0.8162, 0.2613, 0.1213

Inverse Universe

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



30.2492, 0.4422, 0.2887



27.9910, 0.4854, 0.2855



68.5042, 0.2909, 0.4796



16.5572, 0.3250, 0.3225



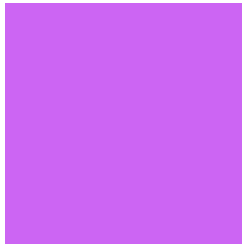
10.6976, 0.5852, 0.2998



0.9568, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 28.6158, 0.2819, 0.1764 looks on a white background.

Color Contrast Check

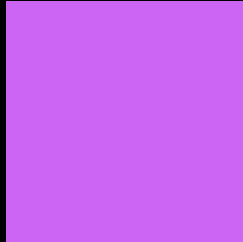
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6158, 0.2819, 0.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

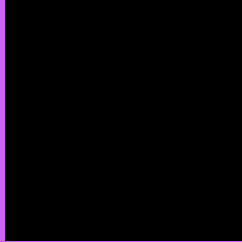
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6158, 0.2819, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 28.6158, 0.2819, 0.1764.



This preview shows how white text looks on a background with the Yxy color 28.6158, 0.2819, 0.1764.

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

28.6158, 0.2819, 0.1764

Protanopia

28.9457, 0.2024, 0.1812

Deuteranopia

28.8780, 0.2118, 0.2056



Tritanopia

28.3834, 0.3721, 0.3153

Trichromacy



Original Color

28.6158, 0.2819, 0.1764



Protanomaly

27.2121, 0.2223, 0.1736



Deuteranomaly

27.1480, 0.2301, 0.1887



Tritanomaly

27.8373, 0.3354, 0.2539

Monochromacy



Original Color

28.6158, 0.2819, 0.1764



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.9763, 0.3003, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6158, 0.2819, 0.1764 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(204, 101, 243)` looks like.

```
.text, #text, p{  
    color:rgb(204, 101, 243)  
}
```

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(204, 101, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 101, 243) }
```

Border

The CSS property to change the border of an element to Yxy 28.6158, 0.2819, 0.1764 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(204, 101, 243) }
```

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

```
.border{ border-color:rgb(204, 101, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 101, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 101, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 101, 243);  
box-shadow:4px 4px 4px 4px rgb(204, 101,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6158, 0.2819, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 101, 243) }
```

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

```
.background{ background-color: rgb(204,  
101, 243) }
```

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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