

Converting Colors

$Y_{xy}(30.0277, 0.2760, 0.1723)$

Have a look what the booklet for
Yxy(30.0277, 0.2760, 0.1723)
contains.

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Color

Yxy(30.1143, 0.2759, 0.1726)

Conversions

Conversions Part 1

Format	Color
Hex	CE68FD
RGB	206, 104, 253
RGB Percent	81%, 41%, 99%
CMY	0.1921, 0.5922, 0.0078
CMYK	0.19, 0.59, 0.00, 0.01
HSL	281°, 97%, 70%
HSV	281°, 59%, 99%
XYZ	48.1375, 30.1143, 96.2227
YIQ	151.4840, 12.9630, 67.9630

Conversions

Conversions Part 2

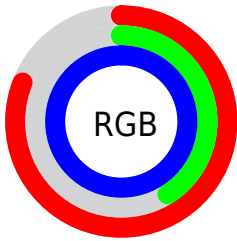
Format	Color
R _Y B	206, 104, 253
Decimal	13527293
CIE Lab	61.75, 63.41, -57.87
CIE LCh	62, 85.848, 317.616
Yxy	30.1143, 0.2759, 0.1726
Android (android.graphics.Color)	4291717373 (0xFFCE68FD)
YUV	151.4840, 50.0474, 47.8105
Hunter-Lab	54.8765, 60.5459, -65.5480

Details

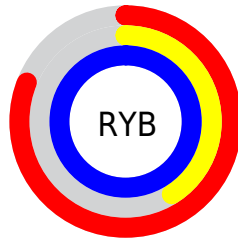
The Yxy color **30.1143, 0.2759, 0.1726** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.8445, 0.3279, 0.5065**, and the grayscale version is **30.9428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **12.3953, 0.2610, 0.1392** is the 20% darker color. If you saturate the color by 10%, you get **24.6501, 0.2673, 0.1504**, and if you desaturate by 10%, it is **37.1664, 0.2840, 0.1979**.

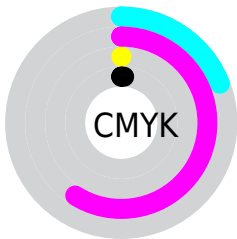
Distribution



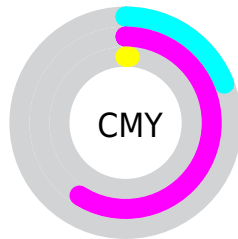
- Red (81%)
- Green (41%)
- Blue (99%)



- Red (81%)
- Yellow (41%)
- Blue (99%)



- Cyan (19%)
- Magenta (59%)
- Yellow (0%)
- Black (1%)





- Cyan (19%)
- Magenta (59%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1143, 0.2759, 0.1726 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 30.1143, 0.2759, 0.1726 by changing the saturation by 10% instead.

 30.1143, 0.2759,
0.1726


 30.1143, 0.2759,
0.1726


302.4369, 0.2980,
0.2436


 19.9254, 0.2697,
0.1574


 59.8429, 0.2845,
0.1966


 12.3408, 0.2614,
0.1392


 80.1513, 0.2876,
0.2061

 6.9762, 0.2502,
0.1176


 104.6017, 0.2901,
0.2144

 3.4472, 0.2342,
0.0918

 133.5785, 0.2922,
0.2217

 1.3694, 0.2108,
0.0619

167.4660, 0.2940,
0.2281

 0.1940, 0.1780,
0.0166

206.6486, 0.2955,

 0.0000, 0.1214,

0.2339

0.0000

251.5108, 0.2968,
0.2390

0.0000, 0.0000,
0.0000

30.1143, 0.2759,
0.1726

30.1143, 0.2759,
0.1726

24.6501, 0.2673,
0.1504

37.1664, 0.2840,
0.1979

20.6279, 0.2586,
0.1325

45.9275, 0.2915,
0.2250

17.8805, 0.2501,
0.1194

56.5109, 0.2982,
0.2528

16.1615, 0.2420,
0.1110

69.0190, 0.3040,
0.2803

16.0005, 0.2411,
0.1102

83.5464, 0.3090,
0.3068

99.6655, 0.3132,
0.3309

99.8733, 0.3139,
0.3309

Harmonies

Analogous

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



30.1143, 0.1765, 0.1485



30.1143, 0.2759, 0.1726



30.1143, 0.4165, 0.2243

Triad

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



30.1143, 0.2759, 0.1726



30.1143, 0.5135, 0.4602



30.1143, 0.1258, 0.3065

Complementary

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



30.1143, 0.2759, 0.1726



77.8445, 0.3279, 0.5065

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.



30.1143, 0.1908, 0.4763



30.1143, 0.2759, 0.1726



30.1143, 0.4121, 0.5523

Square

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



30.1143, 0.2759, 0.1726



30.1143, 0.5694, 0.3715



30.1143, 0.2969, 0.5860



30.1143, 0.1073, 0.1993

Rectangle

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



30.1143, 0.2759, 0.1726



30.1143, 0.5053, 0.2697



30.1143, 0.2969, 0.5860



30.1143, 0.1417, 0.3591

Sweetspot

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



30.1155, 0.2759, 0.1726



71.4864, 0.3045, 0.2828



32.2290, 0.2104, 0.1964



14.4519, 0.3029, 0.2749



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.



30.1155, 0.2759, 0.1726



24.1008, 0.2655, 0.1462



36.2608, 0.3459, 0.2120



17.9962, 0.3087, 0.3052



8.5912, 0.2424, 0.1109



0.8948, 0.2515, 0.1159

Inverse Universe

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



33.0208, 0.4362, 0.2821



27.7914, 0.4782, 0.2781



74.8550, 0.2929, 0.4877



18.0815, 0.3244, 0.3215



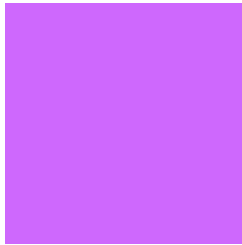
11.4386, 0.5713, 0.2921



1.1325, 0.5393, 0.2745

Previews

White Background



This preview shows how the Yxy color 30.1143, 0.2759, 0.1726 looks on a white background.

Color Contrast Check

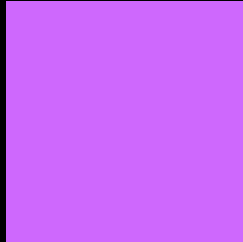
Large Text (above 18pt) WCAG AA × Fail

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 30.1143, 0.2759, 0.1726 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 30.1143, 0.2759, 0.1726

Background



This preview shows how black text looks on a background with the Yxy color 30.1143, 0.2759, 0.1726.



This preview shows how white text looks on a background with the Yxy color 30.1143, 0.2759, 0.1726.

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

30.1143, 0.2759, 0.1726

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.5180, 0.2072, 0.2011



Tritanopia

29.8826, 0.3646, 0.3153

Trichromacy



Original Color

30.1143, 0.2759, 0.1726



Protanomaly

28.8773, 0.2250, 0.1772



Deuteranomaly

28.3960, 0.2242, 0.1835



Tritanomaly

29.2287, 0.3284, 0.2510

Monochromacy



Original Color

30.1143, 0.2759, 0.1726



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.3390, 0.2987, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1143, 0.2759, 0.1726 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(206, 104, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 104, 253)  
}
```

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(206, 104, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 104, 253) }
```

Border

The CSS property to change the border of an element to Yxy 30.1143, 0.2759, 0.1726 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(206, 104, 253) }
```

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

```
.border{ border-color:rgb(206, 104, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 104, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 104, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 104, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 104,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1143, 0.2759, 0.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 104, 253) }
```

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

```
.background{ background-color: rgb(206,  
104, 253) }
```

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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