

Converting Colors

$Y_{xy}(30.3776, 0.2676, 0.1733)$

Have a look what the booklet for
Yxy(30.3776, 0.2676, 0.1733)
contains.

Yxy(30.3776, 0.2676, 0.1733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3776, 0.2676, 0.1733)

Conversions

Conversions Part 1

Format	Color
Hex	C66EFF
RGB	198, 110, 255
RGB Percent	78%, 43%, 100%
CMY	0.2237, 0.5685, 0.0000
CMYK	0.22, 0.57, 0.00, 0.00
HSL	276°, 100%, 72%
HSV	276°, 57%, 100%
XYZ	46.9074, 30.3776, 98.0041
YIQ	152.8420, 5.9030, 63.7510

Conversions

Conversions Part 2

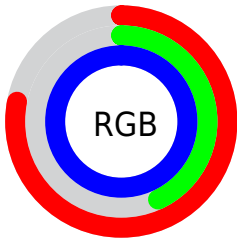
Format	Color
R_{YB}	198, 110, 255
Decimal	13004543
CIE _{Lab}	61.98, 59.01, -58.66
CIE _{LCh}	62, 83.206, 315.173
Yxy	30.3776, 0.2676, 0.1733
Android (android.graphics.Color)	4291194623 (0xFFC66EFF)
YUV	152.8420, 50.3639, 39.6036
Hunter-Lab	55.1159, 55.4629, -66.8452

Details

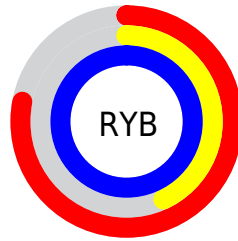
The Yxy color **30.3776, 0.2676, 0.1733** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.8690, 0.3347, 0.4965**, and the grayscale version is **31.5601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **12.4350, 0.2512, 0.1400** is the 20% darker color. If you saturate the color by 10%, you get **24.3252, 0.2569, 0.1489**, and if you desaturate by 10%, it is **38.1046, 0.2778, 0.2005**.

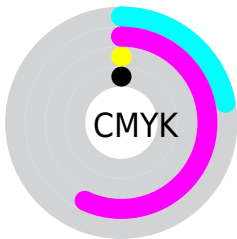
Distribution



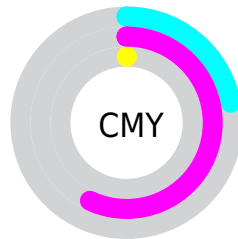
- Red (78%)
- Green (43%)
- Blue (100%)



- Red (78%)
- Yellow (43%)
- Blue (100%)



- Cyan (22%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3776, 0.2676, 0.1733 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 30.3776, 0.2676, 0.1733 by changing the saturation by 10% instead.


 30.3776, 0.2676,
0.1733


 30.3776, 0.2676,
0.1733


303.6606, 0.2936,
0.2442


 20.1254, 0.2605,
0.1581


 60.2588, 0.2776,
0.1973


 12.4862, 0.2512,
0.1399


 80.6566, 0.2812,
0.2068

 7.0757, 0.2387,
0.1183


 105.2050, 0.2842,
0.2151

 3.5095, 0.2214,
0.0925

 134.2885, 0.2867,
0.2223

 1.4032, 0.1964,
0.0625

168.2914, 0.2888,
0.2288

 0.2191, 0.1617,
0.0183

207.5981, 0.2906,

 0.0000, 0.1035,

0.2345

0.0000

252.5930, 0.2922,
0.2396

0.0000, 0.0000,
0.0000

30.3776, 0.2676,
0.1733

30.3776, 0.2676,
0.1733

24.3252, 0.2569,
0.1489

38.1046, 0.2778,
0.2005

19.8035, 0.2461,
0.1284

47.6290, 0.2871,
0.2290

16.6471, 0.2357,
0.1130

59.0643, 0.2955,
0.2577

14.6462, 0.2259,
0.1027

72.5139, 0.3028,
0.2855

14.1562, 0.2229,
0.1002

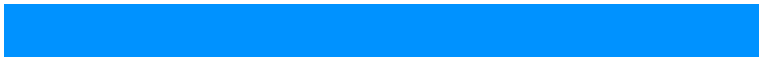
88.0737, 0.3090,
0.3120

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



30.3776, 0.1743, 0.1519



30.3776, 0.2676, 0.1733



30.3776, 0.4019, 0.2221

Triad

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



30.3776, 0.2676, 0.1733



30.3776, 0.5163, 0.4518



30.3776, 0.1340, 0.3198

Complementary

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



30.3776, 0.2676, 0.1733



80.8690, 0.3347, 0.4965

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.



30.3776, 0.2024, 0.4837



30.3776, 0.2676, 0.1733



30.3776, 0.4206, 0.5410

Square

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



30.3776, 0.2676, 0.1733



30.3776, 0.5636, 0.3660



30.3776, 0.3083, 0.5788



30.3776, 0.1119, 0.2093

Rectangle

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



30.3776, 0.2676, 0.1733



30.3776, 0.4900, 0.2661



30.3776, 0.3083, 0.5788



30.3776, 0.1512, 0.3720

Sweetspot

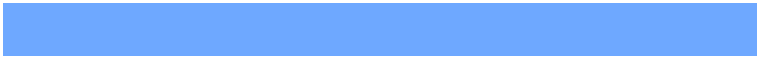
The Sweet Spot groups the original color and five complimentary colors.



30.3784, 0.2676, 0.1733



72.2997, 0.3027, 0.2851



38.5481, 0.2174, 0.2177



14.8625, 0.3013, 0.2796



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.



30.3784, 0.2676, 0.1733



23.7311, 0.2557, 0.1463



38.7390, 0.3324, 0.2057



17.9229, 0.3075, 0.3051



7.4859, 0.2244, 0.1010



0.7922, 0.2352, 0.1069

Inverse Universe

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



35.2102, 0.4152, 0.2718



29.4307, 0.4480, 0.2652



76.3053, 0.2984, 0.4964



18.1054, 0.3232, 0.3197



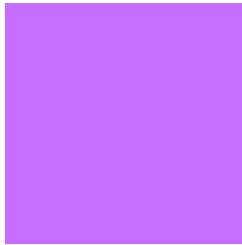
11.6202, 0.5411, 0.2754



1.1522, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 30.3776, 0.2676, 0.1733 looks on a white background.

Color Contrast Check

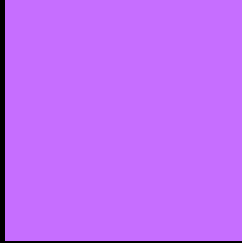
Large Text (above 18pt) WCAG AA × Fail

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 30.3776, 0.2676, 0.1733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

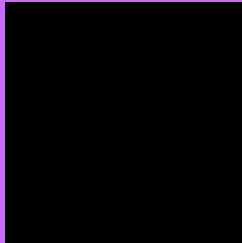
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3776, 0.2676, 0.1733

Background



This preview shows how black text looks on a background with the Yxy color 30.3776, 0.2676, 0.1733.



This preview shows how white text looks on a background with the Yxy color 30.3776, 0.2676, 0.1733.

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

30.3776, 0.2676, 0.1733

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

30.9233, 0.2056, 0.1994



Tritanopia

30.1706, 0.3489, 0.3135

Trichromacy



Original Color

30.3776, 0.2676, 0.1733



Protanomaly

29.5886, 0.2238, 0.1795



Deuteranomaly

29.0996, 0.2209, 0.1839



Tritanomaly

29.6340, 0.3153, 0.2506

Monochromacy



Original Color

30.3776, 0.2676, 0.1733



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.0440, 0.2949, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3776, 0.2676, 0.1733 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(198, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 110, 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(198, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.3776, 0.2676, 0.1733 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(198, 110, 255) }
```

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

```
.border{ border-color:rgb(198, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3776, 0.2676, 0.1733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 110, 255) }
```

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

```
.background{ background-color: rgb(198,  
110, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor