

Converting Colors

$Y_{xy}(26.5941, 0.2578, 0.1591)$

Have a look what the booklet for
Yxy(26.5941, 0.2578, 0.1591)
contains.

Yxy(26.6467, 0.2580, 0.1593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.6467, 0.2580, 0.1593)

Conversions

Conversions Part 1

Format	Color
Hex	BC62FF
RGB	188, 98, 255
RGB Percent	74%, 38%, 100%
CMY	0.2627, 0.6157, 0.0000
CMYK	0.26, 0.62, 0.00, 0.00
HSL	274°, 100%, 69%
HSV	274°, 62%, 100%
XYZ	43.1566, 26.6467, 97.4704
YIQ	142.8080, 3.2430, 67.9070

Conversions

Conversions Part 2

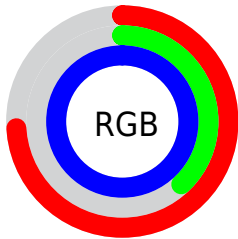
Format	Color
R _{YB}	188, 98, 255
Decimal	12346111
CIE _{Lab}	58.65, 62.55, -64.05
CIE _{LCh}	59, 89.530, 314.321
Y _{xy}	26.6467, 0.2580, 0.1593
Android (android.graphics.Color)	4290536191 (0xFFBC62FF)
YUV	142.8080, 55.3107, 39.6334
Hunter-Lab	51.6204, 58.8969, -75.8178

Details

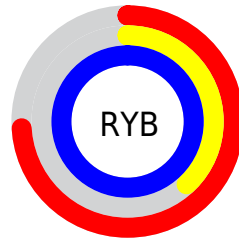
The Yxy color **26.6467, 0.2580, 0.1593** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.3957, 0.3382, 0.5084**, and the grayscale version is **27.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9589, 0.3115, 0.2284**, and **10.4330, 0.2385, 0.1237** is the 20% darker color. If you saturate the color by 10%, you get **21.2817, 0.2464, 0.1360**, and if you desaturate by 10%, it is **33.6370, 0.2693, 0.1860**.

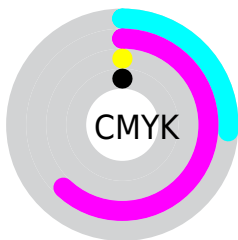
Distribution



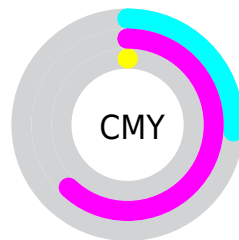
- Red (74%)
- Green (38%)
- Blue (100%)



- Red (74%)
- Yellow (38%)
- Blue (100%)



- Cyan (26%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6467, 0.2580, 0.1593 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 26.6467, 0.2580, 0.1593 by changing the saturation by 10% instead.

 26.6467, 0.2580,
0.1593


 26.6467, 0.2580,
0.1593


285.9424, 0.2896,
0.2364


 17.3081, 0.2494,
0.1429


 54.3164, 0.2701,
0.1852


 10.4544, 0.2382,
0.1236


 73.4163, 0.2745,
0.1956

 5.7012, 0.2232,
0.1009


 96.5387, 0.2781,
0.2046

 2.6643, 0.2025,
0.0746

 124.0680, 0.2812,
0.2126

 0.9591, 0.1735,
0.0455

156.3886, 0.2837,
0.2196

 0.0000, 0.1347,
0.0000

193.8850, 0.2860,

 0.0000, 0.0612,

0.2258

0.0000


236.9414, 0.2879,
0.2314

 0.0000, 0.0000,
0.0000

 26.6467, 0.2580,
0.1593

 26.6467, 0.2580,
0.1593


 21.2817, 0.2464,
0.1360


 33.6370, 0.2693,
0.1860


 17.3866, 0.2349,
0.1172


 42.3824, 0.2800,
0.2145

 14.7796, 0.2240,
0.1037

 53.0023, 0.2896,
0.2437

 13.3482, 0.2156,
0.0961

 65.6049, 0.2982,
0.2723

 80.2898, 0.3055,
0.2997

97.1497, 0.3118,
0.3252

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



26.6467, 0.1597, 0.1376



26.6467, 0.2580, 0.1593



26.6467, 0.4067, 0.2100

Triad

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



26.6467, 0.2580, 0.1593



26.6467, 0.5320, 0.4503



26.6467, 0.1186, 0.3202

Complementary

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



26.6467, 0.2580, 0.1593



80.3957, 0.3382, 0.5084

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.



26.6467, 0.1907, 0.5113



26.6467, 0.2580, 0.1593



26.6467, 0.4251, 0.5540

Square

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



26.6467, 0.2580, 0.1593



26.6467, 0.5881, 0.3589



26.6467, 0.3039, 0.6117



26.6467, 0.0965, 0.1976

Rectangle

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



26.6467, 0.2580, 0.1593



26.6467, 0.5070, 0.2559



26.6467, 0.3039, 0.6117



26.6467, 0.1364, 0.3806

Sweetspot

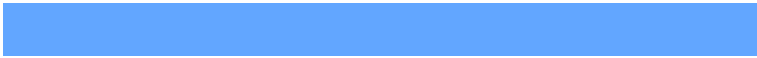
The Sweet Spot groups the original color and five complimentary colors.



26.6477, 0.2580, 0.1593



70.6029, 0.3009, 0.2822



37.1003, 0.2115, 0.2136



14.2355, 0.2987, 0.2742



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.



26.6477, 0.2580, 0.1593



20.2060, 0.2435, 0.1309



36.5583, 0.3292, 0.1941



17.8918, 0.3069, 0.3051



7.0650, 0.2171, 0.0970



0.7523, 0.2285, 0.1032

Inverse Universe

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



32.7107, 0.4217, 0.2633



27.2924, 0.4572, 0.2575



75.2053, 0.2996, 0.5177



18.1157, 0.3227, 0.3189



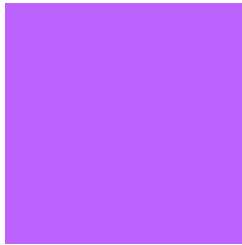
11.7120, 0.5274, 0.2679



1.1617, 0.4983, 0.2519

Previews

White Background



This preview shows how the Yxy color 26.6467, 0.2580, 0.1593 looks on a white background.

Color Contrast Check

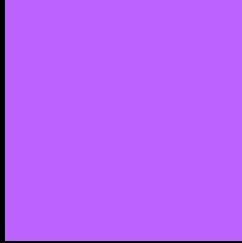
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6467, 0.2580, 0.1593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

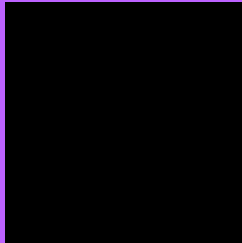
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6467, 0.2580, 0.1593

Background



This preview shows how black text looks on a background with the Yxy color 26.6467, 0.2580, 0.1593.

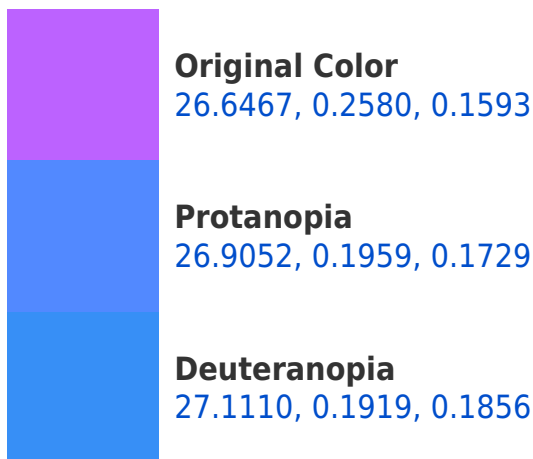


This preview shows how white text looks on a background with the Yxy color 26.6467, 0.2580, 0.1593.

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





Tritanopia

26.4805, 0.3447, 0.3140

Trichromacy



Original Color

26.6467, 0.2580, 0.1593



Protanomaly

25.4509, 0.2113, 0.1629



Deuteranomaly

24.9019, 0.2046, 0.1682



Tritanomaly

25.6850, 0.3090, 0.2426

Monochromacy



Original Color

26.6467, 0.2580, 0.1593



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.0104, 0.2900, 0.2470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6467, 0.2580, 0.1593 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, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 98, 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(188, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.6467, 0.2580, 0.1593 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, 98, 255) }
```

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

```
.border{ border-color:rgb(188, 98, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 98, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 98,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6467, 0.2580, 0.1593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 98, 255) }
```

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

```
.background{ background-color: rgb(188, 98,  
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