

Converting Colors

Yxy(28.0497, 0.2561, 0.1659)

Have a look what the booklet for
Yxy(28.0497, 0.2561, 0.1659)
contains.

| | |
|--|----|
| Yxy(28.0497, 0.2561, 0.1659) | 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(28.0497, 0.2561, 0.1659)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B96BFF |
| RGB | 185, 107, 255 |
| RGB Percent | 73%, 42%, 100% |
| CMY | 0.2748, 0.5802, 0.0001 |
| CMYK | 0.27, 0.58, 0.00, 0.00 |
| HSL | 272°, 100%, 71% |
| HSV | 272°, 58%, 100% |
| XYZ | 43.3004, 28.0497, 97.7259 |
| YIQ | 147.1940, -1.0200, 62.5640 |

Conversions

Conversions Part 2

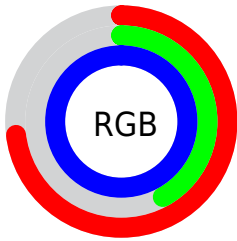
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 185, 107, 255 |
| Decimal | 12151807 |
| CIE Lab | 59.93, 57.43, -62.00 |
| CIE LCh | 60, 84.511, 312.807 |
| Yxy | 28.0497, 0.2561, 0.1659 |
| Android (android.graphics.Color) | 4290341887 (0xFFB96BFF) |
| YUV | 147.1940, 53.1484, 33.1559 |
| Hunter-Lab | 52.9620, 53.2536, -72.3291 |

Details

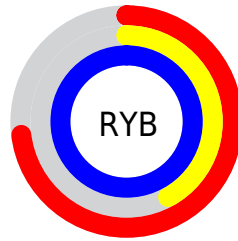
The Yxy color **28.0497, 0.2561, 0.1659** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.9318, 0.3423, 0.4958**, and the grayscale version is **29.0414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9428, 0.3080, 0.2349**, and **11.1816, 0.2364, 0.1312** is the 20% darker color. If you saturate the color by 10%, you get **22.0542, 0.2433, 0.1404**, and if you desaturate by 10%, it is **35.7420, 0.2684, 0.1942**.

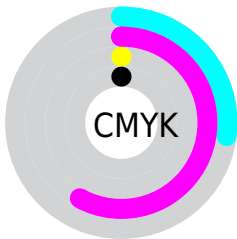
Distribution



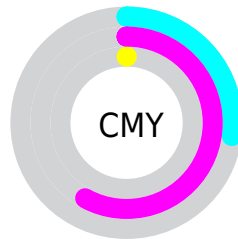
- Red (73%)
- Green (42%)
- Blue (100%)



- Red (73%)
- Yellow (42%)
- Blue (100%)



- Cyan (27%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0497, 0.2561, 0.1659 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 28.0497, 0.2561, 0.1659 by changing the saturation by 10% instead.


 28.0497, 0.2561,
0.1659


 28.0497, 0.2561,
0.1659

292.7043, 0.2881,
0.2404


 18.3631, 0.2475,
0.1499


 56.5638, 0.2683,
0.1911

 11.2110, 0.2364,
0.1310


 76.1601, 0.2727,
0.2011

 6.2089, 0.2215,
0.1086


 99.8284, 0.2764,
0.2098

 2.9725, 0.2012,
0.0822

 127.9532, 0.2795,
0.2175

 1.1174, 0.1726,
0.0524

160.9187, 0.2821,
0.2242

 0.0000, 0.1353,
0.0000

199.1095, 0.2844,

 0.0000, 0.0626,

0.2302

0.0000

242.9099, 0.2864,
0.2356


 0.0000, 0.0000,
0.0000


 28.0497, 0.2561,
0.1659


 28.0497, 0.2561,
0.1659


 22.0542, 0.2433,
0.1404


 35.7420, 0.2684,
0.1942


 17.6070, 0.2307,
0.1190


 45.2561, 0.2799,
0.2238


 14.5380, 0.2186,
0.1030

 56.7082, 0.2903,
0.2534

 12.6162, 0.2077,
0.0924

 70.2041, 0.2994,
0.2820

 12.3069, 0.2057,
0.0907

 85.8415, 0.3073,
0.3089

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



28.0497, 0.1644, 0.1463



28.0497, 0.2561, 0.1659



28.0497, 0.3935, 0.2137

Triad

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



28.0497, 0.2561, 0.1659



28.0497, 0.5276, 0.4451



28.0497, 0.1316, 0.3306

Complementary

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



28.0497, 0.2561, 0.1659



81.9318, 0.3423, 0.4958

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.



28.0497, 0.2049, 0.5042



28.0497, 0.2561, 0.1659



28.0497, 0.4301, 0.5400

Square

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



28.0497, 0.2561, 0.1659



28.0497, 0.5729, 0.3582



28.0497, 0.3150, 0.5911



28.0497, 0.1066, 0.2106

Rectangle

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



28.0497, 0.2561, 0.1659



28.0497, 0.4875, 0.2577



28.0497, 0.3150, 0.5911



28.0497, 0.1503, 0.3870

Sweetspot

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



28.0508, 0.2561, 0.1659



71.7046, 0.3003, 0.2848



42.4088, 0.2191, 0.2315



14.7218, 0.2986, 0.2792



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.



28.0508, 0.2561, 0.1659



21.0569, 0.2408, 0.1358



38.8442, 0.3213, 0.1946



17.8483, 0.3062, 0.3050



6.5212, 0.2073, 0.0916



0.7000, 0.2193, 0.0982

Inverse Universe

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



34.9615, 0.4035, 0.2591



29.0722, 0.4334, 0.2505



75.7542, 0.3030, 0.5145



18.1303, 0.3220, 0.3178



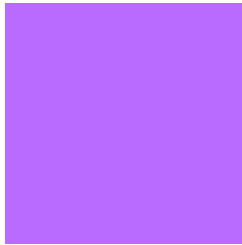
11.8567, 0.5077, 0.2570



1.1763, 0.4808, 0.2422

Previews

White Background



This preview shows how the Yxy color 28.0497, 0.2561, 0.1659 looks on a white background.

Color Contrast Check

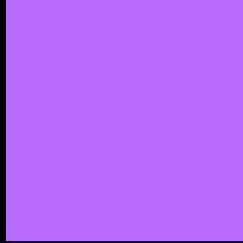
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0497, 0.2561, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

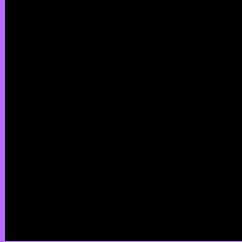
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0497, 0.2561, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 28.0497, 0.2561, 0.1659.

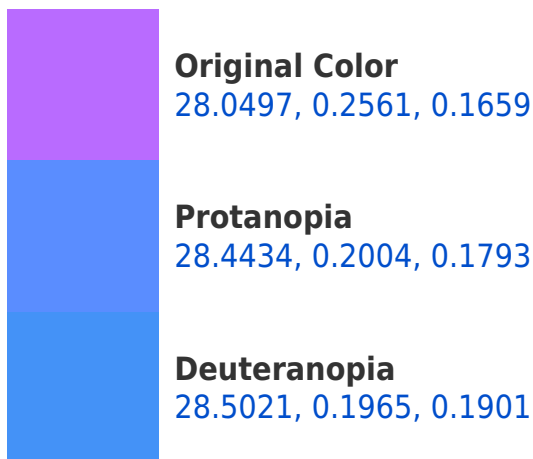


This preview shows how white text looks on a background with the Yxy color 28.0497, 0.2561, 0.1659.

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

27.8219, 0.3347, 0.3125

Trichromacy



Original Color

28.0497, 0.2561, 0.1659



Protanomaly

27.2805, 0.2151, 0.1708



Deuteranomaly

26.7842, 0.2099, 0.1753



Tritanomaly

27.0966, 0.3027, 0.2453

Monochromacy



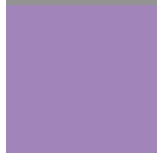
Original Color

28.0497, 0.2561, 0.1659



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.6248, 0.2904, 0.2522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0497, 0.2561, 0.1659 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(185, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 107, 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(185, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.0497, 0.2561, 0.1659 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(185, 107, 255) }
```

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

```
.border{ border-color:rgb(185, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0497, 0.2561, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 107, 255) }
```

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

```
.background{ background-color: rgb(185,  
107, 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