

Converting Colors

$Y_{xy}(25.9610, 0.2710, 0.1802)$

Have a look what the booklet for
Yxy(25.9610, 0.2710, 0.1802)
contains.

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Color

Yxy(25.9966, 0.2710, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	B769E8
RGB	183, 105, 232
RGB Percent	72%, 41%, 91%
CMY	0.2824, 0.5881, 0.0902
CMYK	0.21, 0.55, 0.00, 0.09
HSL	277°, 73%, 66%
HSV	277°, 55%, 91%
XYZ	39.1393, 25.9966, 79.2896
YIQ	142.8000, 5.7210, 56.0330

Conversions

Conversions Part 2

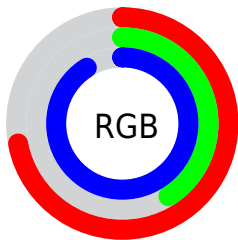
Format	Color
RYB	183, 105, 232
Decimal	12020200
CIELab	58.03, 52.88, -52.29
CIELCh	58, 74.365, 315.319
Yxy	25.9966, 0.2710, 0.1800
Android (android.graphics.Color)	4290210280 (0xFFB769E8)
YUV	142.8000, 43.9756, 35.2554
Hunter-Lab	50.9869, 47.7959, -56.5110

Details

The Yxy color **25.9966, 0.2710, 0.1800** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **65.6004, 0.3338, 0.4895**, and the grayscale version is **27.2060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7170, 0.3056, 0.2323**, and **10.1928, 0.2546, 0.1453** is the 20% darker color. If you saturate the color by 10%, you get **20.8346, 0.2607, 0.1551**, and if you desaturate by 10%, it is **32.5192, 0.2807, 0.2073**.

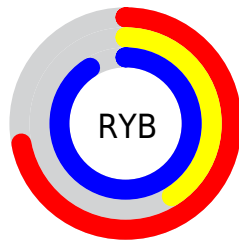
Distribution



Red (72%)

Green (41%)

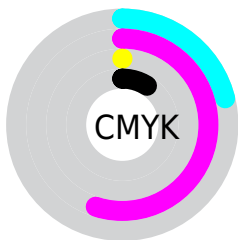
Blue (91%)



Red (72%)

Yellow (41%)

Blue (91%)

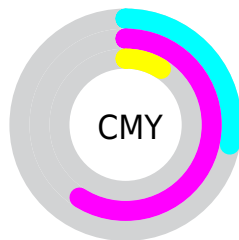


Cyan (21%)

Magenta (55%)

Yellow (0%)

Black (9%)



Cyan (28%)

Magenta (59%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9966, 0.2710, 0.1800 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 25.9966, 0.2710, 0.1800 by changing the saturation by 10% instead.


 25.9966, 0.2710,
0.1800


 25.9966, 0.2710,
0.1800

282.7654, 0.2957,
0.2505


 16.8211, 0.2639,
0.1641


 53.2695, 0.2807,
0.2044


 10.1070, 0.2545,
0.1449


 72.1356, 0.2841,
0.2140

 5.4700, 0.2414,
0.1215


 95.0008, 0.2869,
0.2222

 2.5256, 0.2225,
0.0930

 122.2493, 0.2893,
0.2294

 0.8894, 0.1941,
0.0593

154.2657, 0.2913,
0.2356

 0.0000, 0.1539,
0.0000

191.4342, 0.2929,


 0.0000, 0.0111,


0.2412

0.0000


234.1393, 0.2944,
0.2461


 0.0000, 0.0000,
0.0000

 25.9966, 0.2710,
0.1800


 25.9966, 0.2710,
0.1800


 20.8346, 0.2607,
0.1551


 32.5192, 0.2807,
0.2073


 16.9213, 0.2501,
0.1338


 40.4961, 0.2896,
0.2357


 14.1317, 0.2397,
0.1172

 50.0159, 0.2976,
0.2641

 12.3113, 0.2299,
0.1058

 61.1593, 0.3044,
0.2915

 11.6147, 0.2250,
0.1013

 74.0010, 0.3103,
0.3174

 88.6112, 0.3152,
0.3414

 96.8776, 0.3202,
0.3517

 98.5334, 0.3259,
0.3513

 98.6055, 0.3262,
0.3513

Harmonies

Analogous

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



25.9966, 0.1809, 0.1591



25.9966, 0.2710, 0.1800



25.9966, 0.3980, 0.2275

Triad

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



25.9966, 0.2710, 0.1800



25.9966, 0.5087, 0.4505



25.9966, 0.1421, 0.3209

Complementary

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



25.9966, 0.2710, 0.1800



65.6004, 0.3338, 0.4895

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.



25.9966, 0.2087, 0.4726



25.9966, 0.2710, 0.1800



25.9966, 0.4185, 0.5327

Square

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



25.9966, 0.2710, 0.1800



25.9966, 0.5515, 0.3680



25.9966, 0.3108, 0.5631



25.9966, 0.1199, 0.2157

Rectangle

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



25.9966, 0.2710, 0.1800



25.9966, 0.4805, 0.2703



25.9966, 0.3108, 0.5631



25.9966, 0.1591, 0.3696

Sweetspot

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



25.9976, 0.2710, 0.1800



73.8087, 0.3036, 0.2879



32.5430, 0.2213, 0.2233



15.1626, 0.3022, 0.2823



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.



25.9976, 0.2710, 0.1800



24.9391, 0.2590, 0.1513



32.3915, 0.3315, 0.2099



14.3229, 0.3076, 0.3054



6.5235, 0.2265, 0.1021



0.5352, 0.2401, 0.1097

Inverse Universe

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



29.5959, 0.4099, 0.2747



30.2841, 0.4436, 0.2673



62.0125, 0.2988, 0.4884



14.4596, 0.3232, 0.3200



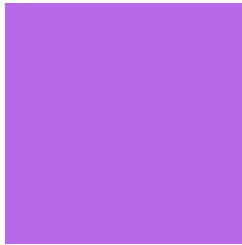
9.9527, 0.5429, 0.2764



0.7532, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 25.9966, 0.2710, 0.1800 looks on a white background.

Color Contrast Check

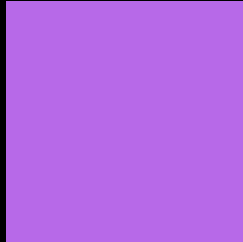
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9966, 0.2710, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

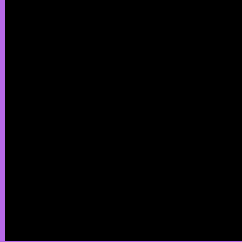
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9966, 0.2710, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 25.9966, 0.2710, 0.1800.

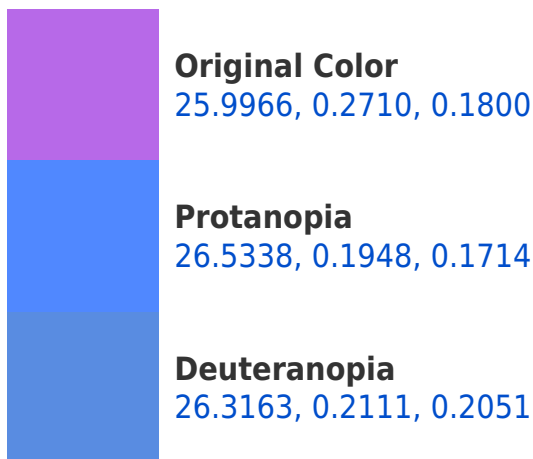


This preview shows how white text looks on a background with the Yxy color 25.9966, 0.2710, 0.1800.

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

25.8894, 0.3475, 0.3140

Trichromacy



Original Color

25.9966, 0.2710, 0.1800



Protanomaly

25.1645, 0.2128, 0.1702



Deuteranomaly

24.9911, 0.2265, 0.1902



Tritanomaly

25.3343, 0.3162, 0.2544

Monochromacy



Original Color

25.9966, 0.2710, 0.1800



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.0648, 0.2975, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9966, 0.2710, 0.1800 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(183, 105, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 105, 232)  
}
```

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(183, 105, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 105, 232) }
```

Border

The CSS property to change the border of an element to Yxy 25.9966, 0.2710, 0.1800 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(183, 105, 232) }
```

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

```
.border{ border-color:rgb(183, 105, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 105, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 105, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 105, 232); box-shadow:4px 4px 4px 4px rgb(183, 105, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9966, 0.2710, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 105, 232) }
```

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

```
.background{ background-color: rgb(183,  
105, 232) }
```

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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