

Converting Colors

Yxy(36.8580, 0.2861, 0.2049)

Have a look what the booklet for
Yxy(36.8580, 0.2861, 0.2049)
contains.

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Color

Yxy(36.8580, 0.2861, 0.2049)

Conversions

Conversions Part 1

Format	Color
Hex	D284F6
RGB	210, 132, 246
RGB Percent	82%, 52%, 96%
CMY	0.1764, 0.4824, 0.0354
CMYK	0.15, 0.46, 0.00, 0.04
HSL	281°, 86%, 74%
HSV	281°, 46%, 96%
XYZ	51.4645, 36.8580, 91.5604
YIQ	168.3180, 9.8940, 51.9900

Conversions

Conversions Part 2

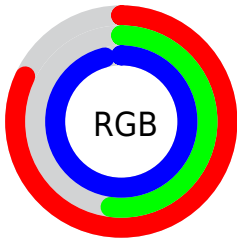
Format	Color
R _Y B	210, 132, 246
Decimal	13796598
CIE Lab	67.17, 49.04, -45.38
CIE LCh	67, 66.812, 317.219
Yxy	36.8580, 0.2861, 0.2049
Android (android.graphics.Color)	4291986678 (0xFFD284F6)
YUV	168.3180, 38.2972, 36.5551
Hunter-Lab	60.7108, 45.0704, -46.9201

Details

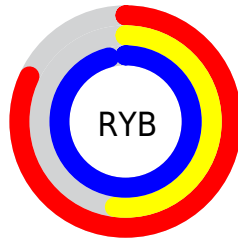
The Yxy color **36.8580, 0.2861, 0.2049** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.8731, 0.3271, 0.4661**, and the grayscale version is **39.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **16.1837, 0.2759, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **29.8455, 0.2781, 0.1791**, and if you desaturate by 10%, it is **45.5010, 0.2934, 0.2323**.

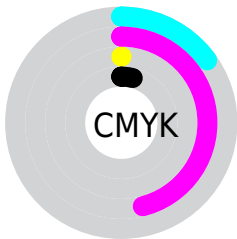
Distribution



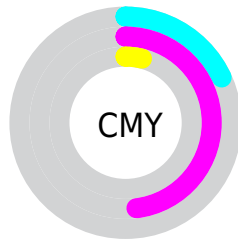
- Red (82%)
- Green (52%)
- Blue (96%)



- Red (82%)
- Yellow (52%)
- Blue (96%)



- Cyan (15%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)




- Cyan (18%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8580, 0.2861, 0.2049 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 36.8580, 0.2861, 0.2049 by changing the saturation by 10% instead.

 36.8580, 0.2861,
0.2049


 36.8580, 0.2861,
0.2049


332.6953, 0.3015,
0.2621


 25.0976, 0.2818,
0.1922


 70.3543, 0.2921,
0.2245

 16.1498, 0.2761,
0.1768


 92.8590, 0.2942,
0.2322

 9.6302, 0.2683,
0.1578


 119.7139, 0.2960,
0.2389

 5.1545, 0.2571,
0.1341

151.3034, 0.2975,
0.2447

 2.3382, 0.2402,
0.1043

188.0119, 0.2987,
0.2499

 0.7938, 0.2135,
0.0675

230.2238, 0.2998,

 0.0000, 0.1733,

0.2544

0.0000


278.3235, 0.3007,
0.2585

 0.0000, 0.0000,
0.0000


 36.8580, 0.2861,
0.2049


 36.8580, 0.2861,
0.2049


 29.8455, 0.2781,
0.1791


 45.5010, 0.2934,
0.2323


 24.3460, 0.2697,
0.1560


 55.8720, 0.2998,
0.2601


 20.2332, 0.2610,
0.1368

 68.0659, 0.3054,
0.2873

 17.3575, 0.2524,
0.1224

 82.1696, 0.3101,
0.3134

 15.5327, 0.2442,
0.1130

 98.2642, 0.3141,
0.3377

■ 15.0204, 0.2413,
0.1103

■ 99.4316, 0.3179,
0.3377

Harmonies

Analogous

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



36.8580, 0.2067, 0.1851



36.8580, 0.2861, 0.2049



36.8580, 0.3892, 0.2481

Triad

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



36.8580, 0.2861, 0.2049



36.8580, 0.4769, 0.4445



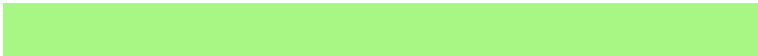
36.8580, 0.1685, 0.3193

Complementary

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



36.8580, 0.2861, 0.2049



75.8731, 0.3271, 0.4661

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.



36.8580, 0.2258, 0.4336



36.8580, 0.2861, 0.2049



36.8580, 0.4033, 0.5031

Square

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



36.8580, 0.2861, 0.2049



36.8580, 0.5091, 0.3746



36.8580, 0.3121, 0.5104



36.8580, 0.1485, 0.2345

Rectangle

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



36.8580, 0.2861, 0.2049



36.8580, 0.4531, 0.2866



36.8580, 0.3121, 0.5104



36.8580, 0.1834, 0.3563

Sweetspot

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



36.8595, 0.2861, 0.2049



77.2267, 0.3066, 0.2935



39.5950, 0.2329, 0.2296



15.8582, 0.3055, 0.2877



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.



36.8595, 0.2861, 0.2049



32.5496, 0.2783, 0.1796



41.5288, 0.3371, 0.2339



16.4910, 0.3087, 0.3053



8.0981, 0.2426, 0.1110



0.7664, 0.2526, 0.1165

Inverse Universe

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



38.9136, 0.3980, 0.2905



35.3347, 0.4269, 0.2838



73.0911, 0.2958, 0.4485



16.5686, 0.3244, 0.3216



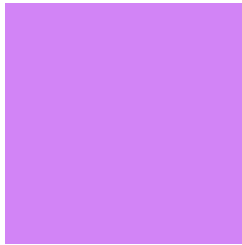
10.7706, 0.5709, 0.2919



0.9645, 0.5356, 0.2724

Previews

White Background



This preview shows how the Yxy color 36.8580, 0.2861, 0.2049 looks on a white background.

Color Contrast Check

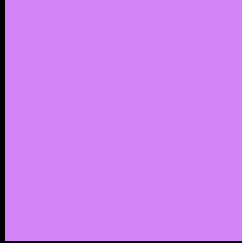
Large Text (above 18pt) WCAG AA × Fail

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 36.8580, 0.2861, 0.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

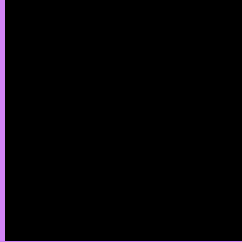
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8580, 0.2861, 0.2049

Background



This preview shows how black text looks on a background with the Yxy color 36.8580, 0.2861, 0.2049.

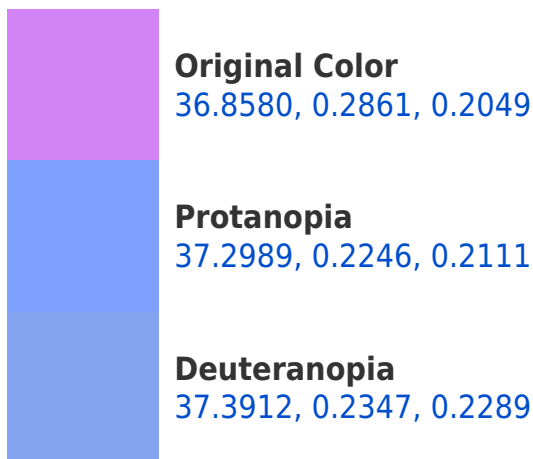


This preview shows how white text looks on a background with the Yxy color 36.8580, 0.2861, 0.2049.

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

36.6479, 0.3481, 0.3134

Trichromacy



Original Color

36.8580, 0.2861, 0.2049



Protanomaly

36.1101, 0.2426, 0.2057



Deuteranomaly

36.3409, 0.2501, 0.2177



Tritanomaly

36.3533, 0.3245, 0.2684

Monochromacy



Original Color

36.8580, 0.2861, 0.2049



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.4955, 0.3030, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8580, 0.2861, 0.2049 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(210, 132, 246)` looks like.

```
.text, #text, p{  
    color:rgb(210, 132, 246)  
}
```

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(210, 132, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 132, 246) }
```

Border

The CSS property to change the border of an element to Yxy 36.8580, 0.2861, 0.2049 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(210, 132, 246) }
```

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

```
.border{ border-color:rgb(210, 132, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 132, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 132, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 132, 246);  
box-shadow:4px 4px 4px 4px rgb(210, 132,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8580, 0.2861, 0.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 132, 246) }
```

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

```
.background{ background-color: rgb(210,  
132, 246) }
```

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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