

Converting Colors

Yxy(36.5617, 0.2812, 0.1941)

Have a look what the booklet for
Yxy(36.5617, 0.2812, 0.1941)
contains.

Yxy(36.3958, 0.2807, 0.1936)	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(36.3958, 0.2807, 0.1936)

Conversions

Conversions Part 1

Format	Color
Hex	D47FFF
RGB	212, 127, 255
RGB Percent	83%, 50%, 100%
CMY	0.1689, 0.5017, 0.0001
CMYK	0.17, 0.50, 0.00, 0.00
HSL	280°, 100%, 75%
HSV	280°, 50%, 100%
XYZ	52.7702, 36.3958, 98.8289
YIQ	167.0070, 9.5720, 57.8280

Conversions

Conversions Part 2

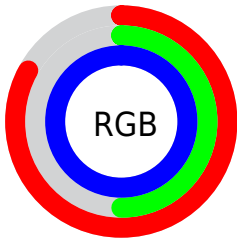
Format	Color
R _Y B	212, 127, 255
Decimal	13926399
CIE Lab	66.82, 53.96, -50.85
CIE LCh	67, 74.144, 316.700
Yxy	36.3958, 0.2807, 0.1936
Android (android.graphics.Color)	4292116479 (0xFFD47FFF)
YUV	167.0070, 43.3805, 39.4589
Hunter-Lab	60.3289, 50.5596, -54.8967

Details

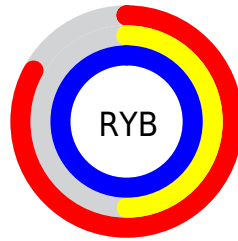
The Yxy color **36.3958, 0.2807, 0.1936** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.5952, 0.3292, 0.4781**, and the grayscale version is **38.4319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **15.9433, 0.2691, 0.1640** is the 20% darker color. If you saturate the color by 10%, you get **29.3792, 0.2719, 0.1683**, and if you desaturate by 10%, it is **45.1495, 0.2888, 0.2209**.

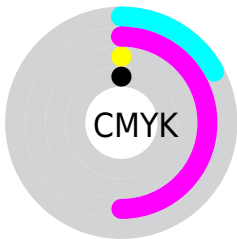
Distribution



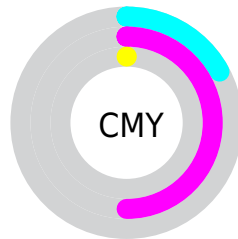
- Red (83%)
- Green (50%)
- Blue (100%)



- Red (83%)
- Yellow (50%)
- Blue (100%)



- Cyan (17%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3958, 0.2807, 0.1936 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 36.3958, 0.2807, 0.1936 by changing the saturation by 10% instead.


 36.3958, 0.2807,
0.1936


 36.3958, 0.2807,
0.1936

330.6872, 0.2991,
0.2552


 24.7400, 0.2756,
0.1802


 69.6425, 0.2878,
0.2145

 15.8835, 0.2690,
0.1641


 92.0023, 0.2903,
0.2228

 9.4417, 0.2600,
0.1445


 118.6988, 0.2925,
0.2300

 5.0304, 0.2473,
0.1206

150.1166, 0.2942,
0.2363

 2.2651, 0.2287,
0.0913

186.6399, 0.2957,
0.2418

 0.7552, 0.2001,
0.0562

228.6532, 0.2970,


 0.0000, 0.1579,

0.2468

0.0000

276.5408, 0.2982,
0.2512


 0.0000, 0.0000,
0.0000


 36.3958, 0.2807,
0.1936


 36.3958, 0.2807,
0.1936


 29.3792, 0.2719,
0.1683


 45.1495, 0.2888,
0.2209


 23.9659, 0.2627,
0.1461


 55.7517, 0.2962,
0.2490

 20.0096, 0.2534,
0.1284

 68.3095, 0.3026,
0.2768

 17.3338, 0.2444,
0.1156

 82.9203, 0.3080,
0.3035

 15.6711, 0.2361,
0.1074

99.6752, 0.3126,
0.3286

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



36.3958, 0.1955, 0.1728



36.3958, 0.2807, 0.1936



36.3958, 0.3951, 0.2393

Triad

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



36.3958, 0.2807, 0.1936



36.3958, 0.4913, 0.4494



36.3958, 0.1555, 0.3184

Complementary

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



36.3958, 0.2807, 0.1936



81.5952, 0.3292, 0.4781

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.



36.3958, 0.2169, 0.4492



36.3958, 0.2807, 0.1936



36.3958, 0.4098, 0.5185

Square

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



36.3958, 0.2807, 0.1936



36.3958, 0.5289, 0.3732



36.3958, 0.3105, 0.5342



36.3958, 0.1348, 0.2248

Rectangle

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



36.3958, 0.2807, 0.1936



36.3958, 0.4672, 0.2800



36.3958, 0.3105, 0.5342



36.3958, 0.1713, 0.3605

Sweetspot

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



36.3973, 0.2807, 0.1936



75.6166, 0.3055, 0.2907



41.1743, 0.2269, 0.2249



15.5342, 0.3043, 0.2851



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.



36.3973, 0.2807, 0.1936



29.4905, 0.2720, 0.1687



42.4922, 0.3357, 0.2231



17.9763, 0.3084, 0.3052



8.2757, 0.2374, 0.1082



0.8658, 0.2470, 0.1134

Inverse Universe

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



39.3549, 0.4060, 0.2848



33.0790, 0.4356, 0.2783



78.1027, 0.2967, 0.4661



18.0879, 0.3241, 0.3210



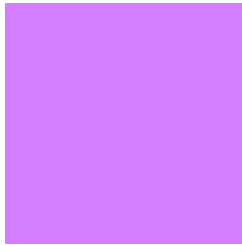
11.4832, 0.5635, 0.2878



1.1375, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 36.3958, 0.2807, 0.1936 looks on a white background.

Color Contrast Check

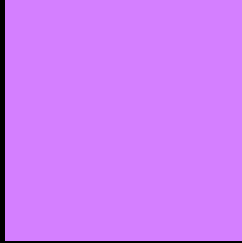
Large Text (above 18pt) WCAG AA × Fail

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 36.3958, 0.2807, 0.1936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

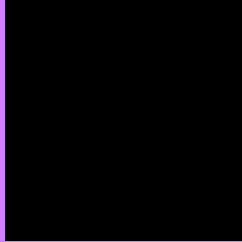
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3958, 0.2807, 0.1936

Background



This preview shows how black text looks on a background with the Yxy color 36.3958, 0.2807, 0.1936.



This preview shows how white text looks on a background with the Yxy color 36.3958, 0.2807, 0.1936.

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

36.3958, 0.2807, 0.1936

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.6829, 0.2243, 0.2179



Tritanopia

36.2562, 0.3504, 0.3147

Trichromacy



Original Color

36.3958, 0.2807, 0.1936



Protanomaly

35.5679, 0.2399, 0.2006



Deuteranomaly

35.3300, 0.2402, 0.2046

Tritanomaly

35.8427, 0.3227, 0.2636

Monochromacy



Original Color

36.3958, 0.2807, 0.1936



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6473, 0.3005, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3958, 0.2807, 0.1936 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(212, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 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(212, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3958, 0.2807, 0.1936 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(212, 127, 255) }
```

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

```
.border{ border-color:rgb(212, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3958, 0.2807, 0.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 255) }
```

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

```
.background{ background-color: rgb(212,  
127, 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