

Converting Colors

$Y_{xy}(36.3071, 0.2758, 0.1945)$

Have a look what the booklet for
Yxy(36.3071, 0.2758, 0.1945)
contains.

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Color

Yxy(36.3071, 0.2758, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	CE82FF
RGB	206, 130, 255
RGB Percent	81%, 51%, 100%
CMY	0.1921, 0.4902, 0.0001
CMYK	0.19, 0.49, 0.00, 0.00
HSL	276°, 100%, 75%
HSV	276°, 49%, 100%
XYZ	51.4833, 36.3071, 98.8785
YIQ	166.9740, 5.1710, 54.9870

Conversions

Conversions Part 2

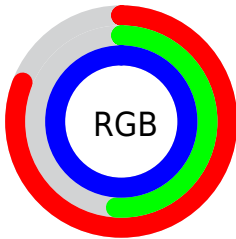
Format	Color
R _Y B	206, 130, 255
Decimal	13533951
CIE Lab	66.75, 50.88, -51.00
CIE LCh	67, 72.040, 314.935
Yxy	36.3071, 0.2758, 0.1945
Android (android.graphics.Color)	4291724031 (0xFFCE82FF)
YUV	166.9740, 43.3968, 34.2258
Hunter-Lab	60.2554, 47.0667, -55.1156

Details

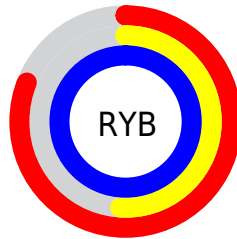
The Yxy color **36.3071, 0.2758, 0.1945** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.6953, 0.3334, 0.4724**, and the grayscale version is **38.4149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **15.9156, 0.2626, 0.1651** is the 20% darker color. If you saturate the color by 10%, you get **28.9600, 0.2655, 0.1678**, and if you desaturate by 10%, it is **45.4283, 0.2853, 0.2228**.

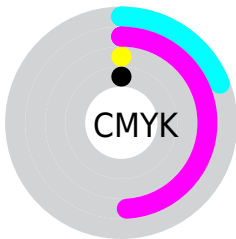
Distribution



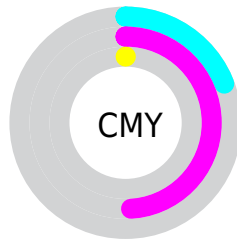
- Red (81%)
- Green (51%)
- Blue (100%)



- Red (81%)
- Yellow (51%)
- Blue (100%)



- Cyan (19%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3071, 0.2758, 0.1945 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 36.3071, 0.2758, 0.1945 by changing the saturation by 10% instead.


 36.3071, 0.2758,
0.1945


 36.3071, 0.2758,
0.1945


330.3008, 0.2965,
0.2559

 24.6715, 0.2702,
0.1811


 69.5058, 0.2837,
0.2154

 15.8325, 0.2630,
0.1650


 91.8377, 0.2866,
0.2236

 9.4057, 0.2532,
0.1453

 118.5037, 0.2889,
0.2308

 5.0067, 0.2395,
0.1212

149.8884, 0.2909,
0.2371

 2.2512, 0.2196,
0.0918

186.3760, 0.2927,
0.2426

 0.7477, 0.1896,
0.0564

228.3511, 0.2941,


 0.0000, 0.1456,


0.2475


0.0000


276.1979, 0.2954,
0.2519


 0.0000, 0.0000,
0.0000


 36.3071, 0.2758,
0.1945


 36.3071, 0.2758,
0.1945


 28.9600, 0.2655,
0.1678


 45.4283, 0.2853,
0.2228


 23.2544, 0.2549,
0.1442


 56.4342, 0.2939,
0.2515

 19.0458, 0.2441,
0.1248

 69.4317, 0.3013,
0.2796

 16.1612, 0.2338,
0.1105

 84.5178, 0.3078,
0.3064

 14.3460, 0.2242,
0.1012

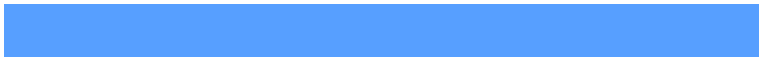
99.9982, 0.3127,
0.3290

■ 14.1929, 0.2233,
0.1004

Harmonies

Analogous

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



36.3071, 0.1944, 0.1757



36.3071, 0.2758, 0.1945



36.3071, 0.3864, 0.2382

Triad

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



36.3071, 0.2758, 0.1945



36.3071, 0.4915, 0.4435



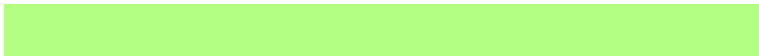
36.3071, 0.1616, 0.3260

Complementary

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



36.3071, 0.2758, 0.1945



82.6953, 0.3334, 0.4724

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.



36.3071, 0.2244, 0.4525



36.3071, 0.2758, 0.1945



36.3071, 0.4139, 0.5113

Square

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



36.3071, 0.2758, 0.1945



36.3071, 0.5238, 0.3691



36.3071, 0.3173, 0.5297



36.3071, 0.1386, 0.2317

Rectangle

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



36.3071, 0.2758, 0.1945



36.3071, 0.4576, 0.2777



36.3071, 0.3173, 0.5297



36.3071, 0.1780, 0.3675

Sweetspot

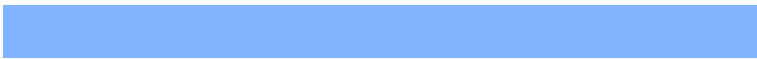
The Sweet Spot groups the original color and five complimentary colors.



36.3086, 0.2758, 0.1945



75.2443, 0.3040, 0.2906



44.6051, 0.2305, 0.2359



15.4442, 0.3026, 0.2848



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.



36.3086, 0.2758, 0.1945



28.9737, 0.2656, 0.1679



43.6619, 0.3293, 0.2201



17.9244, 0.3075, 0.3051



7.5068, 0.2248, 0.1012



0.7942, 0.2355, 0.1071

Inverse Universe

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



40.4762, 0.3948, 0.2787



33.9342, 0.4216, 0.2704



78.2173, 0.2998, 0.4702



18.1049, 0.3232, 0.3197



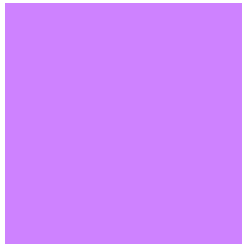
11.6160, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 36.3071, 0.2758, 0.1945 looks on a white background.

Color Contrast Check

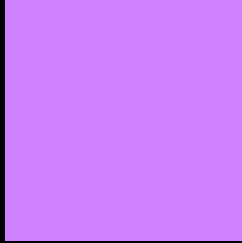
Large Text (above 18pt) WCAG AA × Fail

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 36.3071, 0.2758, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

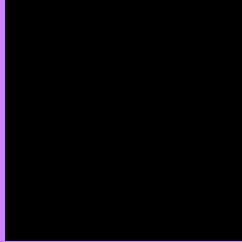
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3071, 0.2758, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 36.3071, 0.2758, 0.1945.



This preview shows how white text looks on a background with the Yxy color 36.3071, 0.2758, 0.1945.

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

36.3071, 0.2758, 0.1945

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.6733, 0.2233, 0.2168



Tritanopia

36.2132, 0.3408, 0.3131

Trichromacy



Original Color

36.3071, 0.2758, 0.1945



Protanomaly

35.6835, 0.2387, 0.2013



Deuteranomaly

35.3570, 0.2383, 0.2051

Tritanomaly

35.7135, 0.3148, 0.2626

Monochromacy



Original Color

36.3071, 0.2758, 0.1945



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.0585, 0.2987, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3071, 0.2758, 0.1945 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(206, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 130, 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(206, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3071, 0.2758, 0.1945 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(206, 130, 255) }
```

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

```
.border{ border-color:rgb(206, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3071, 0.2758, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 130, 255) }
```

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

```
.background{ background-color: rgb(206,  
130, 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](#).

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