

Converting Colors

$Y_{xy}(35.0090, 0.2764, 0.1895)$

Have a look what the booklet for
Yxy(35.0090, 0.2764, 0.1895)
contains.

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Color

Yxy(34.9007, 0.2763, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	CF7CFF
RGB	207, 124, 255
RGB Percent	81%, 49%, 100%
CMY	0.1882, 0.5138, 0.0000
CMYK	0.19, 0.51, 0.00, 0.00
HSL	278°, 100%, 74%
HSV	278°, 51%, 100%
XYZ	50.9945, 34.9007, 98.6669
YIQ	163.7510, 7.4170, 58.3370

Conversions

Conversions Part 2

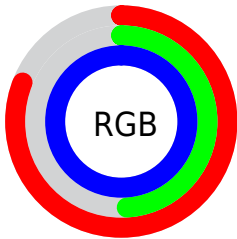
Format	Color
R_{YB}	207, 124, 255
Decimal	13597951
CIE _{Lab}	65.67, 54.25, -52.73
CIE _{LCh}	66, 75.654, 315.819
Yxy	34.9007, 0.2763, 0.1891
Android (android.graphics.Color)	4291788031 (0xFFCF7CFF)
YUV	163.7510, 44.9858, 37.9294
Hunter-Lab	59.0768, 50.6950, -57.6692

Details

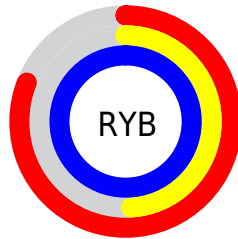
The Yxy color **34.9007, 0.2763, 0.1891** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **81.7428, 0.3318, 0.4808**, and the grayscale version is **36.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **15.0677, 0.2631, 0.1584** is the 20% darker color. If you saturate the color by 10%, you get **28.0098, 0.2666, 0.1635**, and if you desaturate by 10%, it is **43.5243, 0.2853, 0.2167**.

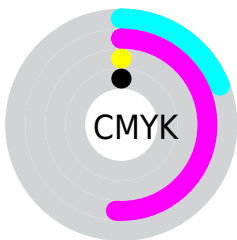
Distribution



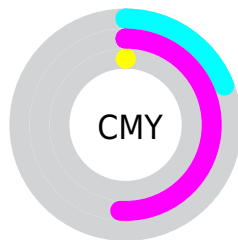
- Red (81%)
- Green (49%)
- Blue (100%)



- Red (81%)
- Yellow (49%)
- Blue (100%)



- Cyan (19%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9007, 0.2763, 0.1891 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 34.9007, 0.2763, 0.1891 by changing the saturation by 10% instead.


 34.9007, 0.2763,
0.1891


 34.9007, 0.2763,
0.1891


324.1298, 0.2971,
0.2528


 23.5864, 0.2706,
0.1752


 67.3319, 0.2843,
0.2107

 15.0271, 0.2632,
0.1586


 89.2176, 0.2872,
0.2193

 8.8384, 0.2532,
0.1385


 115.3959, 0.2895,
0.2267

 4.6359, 0.2391,
0.1140

146.2511, 0.2915,
0.2332

 2.0353, 0.2187,
0.0843

182.1678, 0.2933,
0.2390

 0.6278, 0.1879,
0.0482


223.5301, 0.2947,

 0.0000, 0.1418,

0.2441


0.0000


270.7227, 0.2960,
0.2487


 0.0000, 0.0000,
0.0000


 34.9007, 0.2763,
0.1891

 34.9007, 0.2763,
0.1891


 28.0098, 0.2666,
0.1635


 43.5243, 0.2853,
0.2167


 22.7185, 0.2566,
0.1413


 53.9966, 0.2935,
0.2451


 18.8762, 0.2465,
0.1235

 66.4252, 0.3007,
0.2732

 16.3017, 0.2369,
0.1109

 80.9087, 0.3068,
0.3003

 14.8601, 0.2291,
0.1036

 97.5393, 0.3121,
0.3257

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.9007, 0.1902, 0.1687



34.9007, 0.2763, 0.1891



34.9007, 0.3941, 0.2350

Triad

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



34.9007, 0.2763, 0.1891



34.9007, 0.4975, 0.4488



34.9007, 0.1523, 0.3210

Complementary

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



34.9007, 0.2763, 0.1891



81.7428, 0.3318, 0.4808

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.



34.9007, 0.2159, 0.4578



34.9007, 0.2763, 0.1891



34.9007, 0.4139, 0.5220

Square

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



34.9007, 0.2763, 0.1891



34.9007, 0.5355, 0.3707



34.9007, 0.3123, 0.5429



34.9007, 0.1304, 0.2233

Rectangle

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



34.9007, 0.2763, 0.1891



34.9007, 0.4695, 0.2762



34.9007, 0.3123, 0.5429



34.9007, 0.1687, 0.3652

Sweetspot

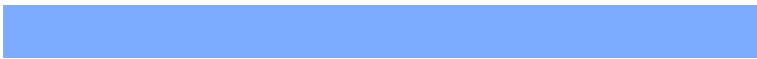
The Sweet Spot groups the original color and five complimentary colors.



34.9013, 0.2763, 0.1891



75.4161, 0.3047, 0.2906



41.0203, 0.2253, 0.2248



15.4857, 0.3034, 0.2849



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.



34.9013, 0.2763, 0.1891



27.6341, 0.2660, 0.1620



41.8189, 0.3343, 0.2191



17.9483, 0.3079, 0.3052



7.8523, 0.2306, 0.1044



0.8265, 0.2408, 0.1100

Inverse Universe

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



38.6509, 0.4048, 0.2799



32.1509, 0.4357, 0.2725



77.7413, 0.2974, 0.4727



18.0971, 0.3236, 0.3203



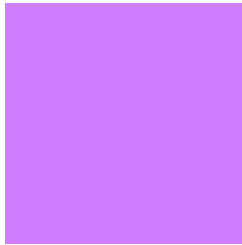
11.5516, 0.5520, 0.2814



1.1449, 0.5208, 0.2643

Previews

White Background



This preview shows how the Yxy color 34.9007, 0.2763, 0.1891 looks on a white background.

Color Contrast Check

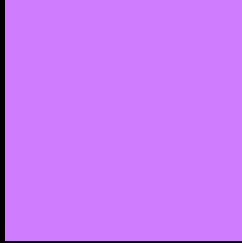
Large Text (above 18pt) WCAG AA × Fail

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 34.9007, 0.2763, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

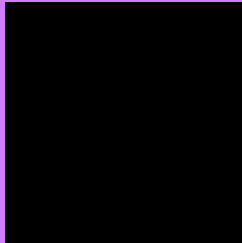
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9007, 0.2763, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 34.9007, 0.2763, 0.1891.



This preview shows how white text looks on a background with the Yxy color 34.9007, 0.2763, 0.1891.

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

34.9007, 0.2763, 0.1891

Protanopia

35.3989, 0.2198, 0.2048

Deuteranopia

35.1510, 0.2197, 0.2129



Tritanopia

34.8895, 0.3477, 0.3144

Trichromacy



Original Color

34.9007, 0.2763, 0.1891



Protanomaly

34.1462, 0.2359, 0.1959



Deuteranomaly

33.8187, 0.2355, 0.1996

Tritanomaly

34.2306, 0.3190, 0.2600

Monochromacy



Original Color

34.9007, 0.2763, 0.1891



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.2294, 0.2994, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9007, 0.2763, 0.1891 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(207, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 124, 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(207, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 124, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.9007, 0.2763, 0.1891 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(207, 124, 255) }
```

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

```
.border{ border-color:rgb(207, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 124,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9007, 0.2763, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 124, 255) }
```

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

```
.background{ background-color: rgb(207,  
124, 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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