

Converting Colors

$Y_{xy}(35.6602, 0.2736, 0.2023)$

Have a look what the booklet for
Yxy(35.6602, 0.2736, 0.2023)
contains.

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Color

Yxy(35.5014, 0.2733, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	C486F7
RGB	196, 134, 247
RGB Percent	77%, 53%, 97%
CMY	0.2314, 0.4745, 0.0312
CMYK	0.21, 0.46, 0.00, 0.03
HSL	273°, 88%, 75%
HSV	273°, 46%, 97%
XYZ	48.0799, 35.5014, 92.3423
YIQ	165.4200, 0.6790, 48.2870

Conversions

Conversions Part 2

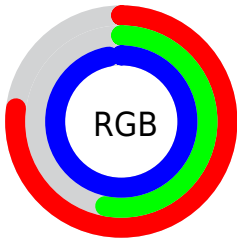
Format	Color
RYB	196, 134, 247
Decimal	12879607
CIELab	66.14, 44.35, -47.70
CIELCh	66, 65.131, 312.921
Yxy	35.5014, 0.2733, 0.2018
Android (android.graphics.Color)	4291069687 (0xFFC486F7)
YUV	165.4200, 40.2189, 26.8187
Hunter-Lab	59.5831, 39.7684, -50.1800

Details

The Yxy color **35.5014, 0.2733, 0.2018** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.5854, 0.3371, 0.4599**, and the grayscale version is **37.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2573, 0.3150, 0.2632**, and **15.3277, 0.2601, 0.1724** is the 20% darker color. If you saturate the color by 10%, you get **28.0122, 0.2617, 0.1735**, and if you desaturate by 10%, it is **44.6994, 0.2840, 0.2312**.

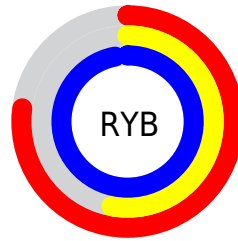
Distribution



Red (77%)

Green (53%)

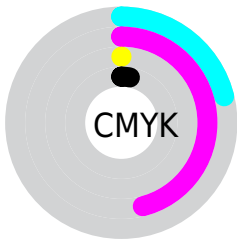
Blue (97%)



Red (77%)

Yellow (53%)

Blue (97%)

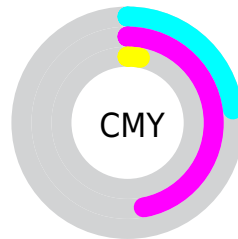


Cyan (21%)

Magenta (46%)

Yellow (0%)

Black (3%)



Cyan (23%)


Magenta (47%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5014, 0.2733, 0.2018 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 35.5014, 0.2733, 0.2018 by changing the saturation by 10% instead.


 35.5014, 0.2733,
0.2018


 35.5014, 0.2733,
0.2018


326.7760, 0.2951,
0.2608

 24.0494, 0.2675,
0.1886


 68.2618, 0.2815,
0.2221

 15.3702, 0.2599,
0.1727


 90.3389, 0.2846,
0.2301

 9.0796, 0.2496,
0.1530


 116.7266, 0.2871,
0.2369

 4.7932, 0.2353,
0.1285

147.8091, 0.2892,
0.2429

 2.1264, 0.2144,
0.0980

183.9709, 0.2910,
0.2482

 0.6794, 0.1826,
0.0597

225.5964, 0.2925,

 0.0000, 0.1333,

0.2529

0.0000

273.0700, 0.2939,
0.2571

0.0000, 0.0000,
0.0000

35.5014, 0.2733,
0.2018

35.5014, 0.2733,
0.2018

28.0122, 0.2617,
0.1735

44.6994, 0.2840,
0.2312

22.1125, 0.2496,
0.1476

55.7061, 0.2935,
0.2603

17.6737, 0.2374,
0.1256

68.6184, 0.3019,
0.2884

14.5447, 0.2256,
0.1085

83.5253, 0.3091,
0.3147

12.5385, 0.2147,
0.0970

98.8904, 0.3153,
0.3367

■ 11.9074, 0.2104,
0.0933

■ 99.4976, 0.3173,
0.3366

Harmonies

Analogous

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



35.5014, 0.1994, 0.1859



35.5014, 0.2733, 0.2018



35.5014, 0.3735, 0.2417

Triad

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



35.5014, 0.2733, 0.2018



35.5014, 0.4830, 0.4339



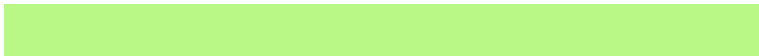
35.5014, 0.1760, 0.3349

Complementary

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



35.5014, 0.2733, 0.2018



78.5854, 0.3371, 0.4599

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.



35.5014, 0.2379, 0.4471



35.5014, 0.2733, 0.2018



35.5014, 0.4147, 0.4949

Square

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



35.5014, 0.2733, 0.2018



35.5014, 0.5066, 0.3648



35.5014, 0.3256, 0.5118



35.5014, 0.1509, 0.2450

Rectangle

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



35.5014, 0.2733, 0.2018



35.5014, 0.4391, 0.2785



35.5014, 0.3256, 0.5118



35.5014, 0.1926, 0.3726

Sweetspot

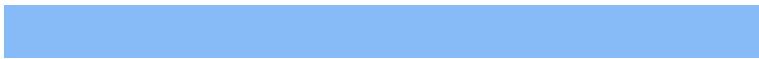
The Sweet Spot groups the original color and five complimentary colors.



35.5028, 0.2733, 0.2018



76.3690, 0.3032, 0.2931



47.2216, 0.2379, 0.2534



15.6488, 0.3016, 0.2872



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.



35.5028, 0.2733, 0.2018



30.5866, 0.2625, 0.1753



43.3191, 0.3212, 0.2205



16.3746, 0.3066, 0.3052



6.3810, 0.2120, 0.0942



0.6218, 0.2249, 0.1013

Inverse Universe

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



40.3368, 0.3792, 0.2748



36.6825, 0.4002, 0.2651



73.4403, 0.3042, 0.4686



16.6070, 0.3223, 0.3184



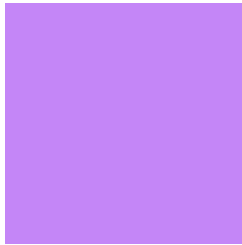
11.0991, 0.5165, 0.2619



0.9959, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 35.5014, 0.2733, 0.2018 looks on a white background.

Color Contrast Check

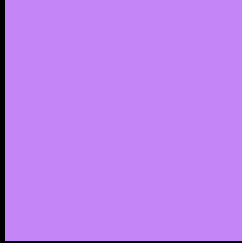
Large Text (above 18pt) WCAG AA × Fail

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 35.5014, 0.2733, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

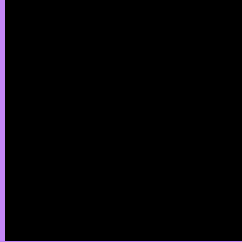
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5014, 0.2733, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 35.5014, 0.2733, 0.2018.



This preview shows how white text looks on a background with the Yxy color 35.5014, 0.2733, 0.2018.

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

35.5014, 0.2733, 0.2018

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

35.8375, 0.2282, 0.2216



Tritanopia

35.4442, 0.3305, 0.3126

Trichromacy



Original Color

35.5014, 0.2733, 0.2018



Protanomaly

35.0072, 0.2369, 0.2028



Deuteranomaly

35.1489, 0.2417, 0.2125



Tritanomaly

35.0627, 0.3079, 0.2657

Monochromacy



Original Color

35.5014, 0.2733, 0.2018



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.2814, 0.2975, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5014, 0.2733, 0.2018 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(196, 134, 247)` looks like.

```
.text, #text, p{  
    color:rgb(196, 134, 247)  
}
```

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(196, 134, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 134, 247) }
```

Border

The CSS property to change the border of an element to Yxy 35.5014, 0.2733, 0.2018 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(196, 134, 247) }
```

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

```
.border{ border-color:rgb(196, 134, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 134, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 134, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 134, 247);  
box-shadow:4px 4px 4px 4px rgb(196, 134,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5014, 0.2733, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 134, 247) }
```

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

```
.background{ background-color: rgb(196,  
134, 247) }
```

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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