

Converting Colors

$Y_{xy}(35.0692, 0.2642, 0.1927)$

Have a look what the booklet for
Yxy(35.0692, 0.2642, 0.1927)
contains.

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Color

Yxy(35.2015, 0.2644, 0.1932)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C085FF |
| RGB | 192, 133, 255 |
| RGB Percent | 75%, 52%, 100% |
| CMY | 0.2470, 0.4784, 0.0002 |
| CMYK | 0.25, 0.48, 0.00, 0.00 |
| HSL | 269°, 100%, 76% |
| HSV | 269°, 48%, 100% |
| XYZ | 48.1743, 35.2015, 98.8266 |
| YIQ | 164.5490, -3.9980, 50.4500 |

Conversions

Conversions Part 2

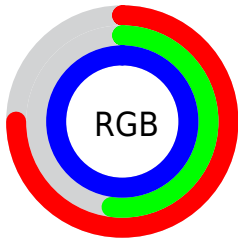
| Format | Color |
|-------------------------------------|--|
| RYB | 192, 133, 255 |
| Decimal | 12617215 |
| CIELab | 65.91, 45.61, -52.43 |
| CIELCh | 66, 69.492, 311.025 |
| Yxy | 35.2015, 0.2644, 0.1932 |
| Android (android.graphics.Color) | 4290807295 (0xFFC085FF) |
| YUV | 164.5490, 44.5923, 24.0745 |
| Hunter-Lab | 59.3309, 41.1060, -57.2269 |

Details

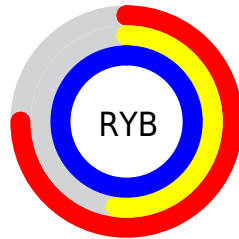
The Yxy color **35.2015, 0.2644, 0.1932** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.9133, 0.3429, 0.4642**, and the grayscale version is **37.1862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2699, 0.3128, 0.2618**, and **15.1963, 0.2488, 0.1623** is the 20% darker color. If you saturate the color by 10%, you get **27.4068, 0.2510, 0.1641**, and if you desaturate by 10%, it is **44.8464, 0.2769, 0.2234**.

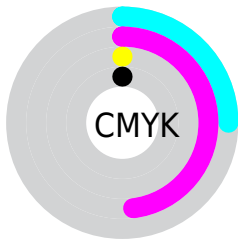
Distribution



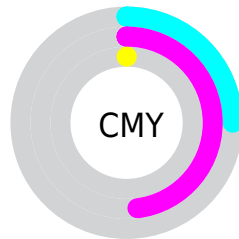
- Red (75%)
- Green (52%)
- Blue (100%)



- Red (75%)
- Yellow (52%)
- Blue (100%)



- Cyan (25%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2015, 0.2644, 0.1932 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 35.2015, 0.2644, 0.1932 by changing the saturation by 10% instead.


 35.2015, 0.2644,
0.1932

 35.2015, 0.2644,
0.1932


325.4568, 0.2907,
0.2556

 23.8181, 0.2575,
0.1795


 67.7978, 0.2742,
0.2145

 15.1988, 0.2487,
0.1630


 89.7795, 0.2779,
0.2229

 8.9590, 0.2369,
0.1428


 116.0628, 0.2809,
0.2302

 4.7145, 0.2207,
0.1182

147.0321, 0.2834,
0.2366

 2.0807, 0.1977,
0.0881

183.0718, 0.2856,
0.2422

 0.6537, 0.1640,
0.0514

224.5662, 0.2875,

 0.0000, 0.1144,

0.2472

0.0000

271.8997, 0.2892,
0.2516

■ 0.0000, 0.0000,
0.0000

■ 35.2015, 0.2644,
0.1932

■ 35.2015, 0.2644,
0.1932

■ 27.4068, 0.2510,
0.1641

■ 44.8464, 0.2769,
0.2234

■ 21.3295, 0.2372,
0.1378

■ 56.4535, 0.2882,
0.2535

■ 16.8250, 0.2237,
0.1157

■ 70.1305, 0.2982,
0.2823

■ 13.7216, 0.2110,
0.0990

■ 85.9757, 0.3068,
0.3093

■ 11.7912, 0.1996,
0.0880

■ 99.9972, 0.3127,
0.3290

■ 11.4572, 0.1973,
0.0861

Harmonies

Analogous

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



35.2015, 0.1892, 0.1781



35.2015, 0.2644, 0.1932



35.2015, 0.3701, 0.2333

Triad

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



35.2015, 0.2644, 0.1932



35.2015, 0.4953, 0.4327



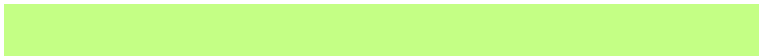
35.2015, 0.1706, 0.3419

Complementary

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



35.2015, 0.2644, 0.1932



84.9133, 0.3429, 0.4642

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.



35.2015, 0.2375, 0.4635



35.2015, 0.2644, 0.1932



35.2015, 0.4241, 0.5006

Square

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



35.2015, 0.2644, 0.1932



35.2015, 0.5184, 0.3600



35.2015, 0.3306, 0.5268



35.2015, 0.1428, 0.2434

Rectangle

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



35.2015, 0.2644, 0.1932



35.2015, 0.4416, 0.2710



35.2015, 0.3306, 0.5268



35.2015, 0.1887, 0.3831

Sweetspot

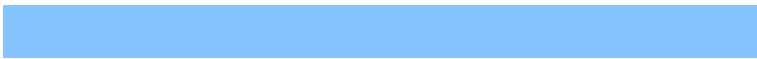
The Sweet Spot groups the original color and five complimentary colors.



35.2029, 0.2644, 0.1932



75.9716, 0.3017, 0.2929



51.6896, 0.2359, 0.2569



15.5520, 0.2997, 0.2870



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.



35.2029, 0.2644, 0.1932



27.9992, 0.2522, 0.1665



44.8616, 0.3164, 0.2121



17.8091, 0.3055, 0.3050



6.0768, 0.1990, 0.0870



0.6564, 0.2114, 0.0938

Inverse Universe

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



42.0103, 0.3753, 0.2647



35.8247, 0.3935, 0.2540



78.3401, 0.3066, 0.4806



18.1436, 0.3213, 0.3168



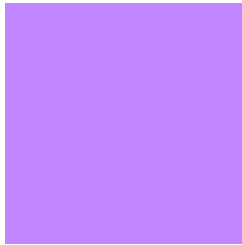
12.0038, 0.4896, 0.2471



1.1909, 0.4651, 0.2336

Previews

White Background



This preview shows how the Yxy color 35.2015, 0.2644, 0.1932 looks on a white background.

Color Contrast Check

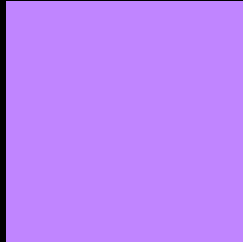
Large Text (above 18pt) WCAG AA × Fail

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 35.2015, 0.2644, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

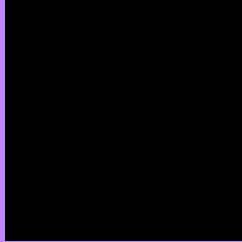
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2015, 0.2644, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 35.2015, 0.2644, 0.1932.



This preview shows how white text looks on a background with the Yxy color 35.2015, 0.2644, 0.1932.

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

35.2015, 0.2644, 0.1932

Protanopia

35.4715, 0.2204, 0.2050

Deuteranopia

35.4919, 0.2191, 0.2131



Tritanopia

35.0945, 0.3234, 0.3123

Trichromacy



Original Color

35.2015, 0.2644, 0.1932



Protanomaly

34.6029, 0.2332, 0.1984



Deuteranomaly

34.5285, 0.2324, 0.2033



Tritanomaly

34.5801, 0.3004, 0.2613

Monochromacy



Original Color

35.2015, 0.2644, 0.1932



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.9736, 0.2940, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2015, 0.2644, 0.1932 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(192, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 133, 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(192, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.2015, 0.2644, 0.1932 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(192, 133, 255) }
```

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

```
.border{ border-color:rgb(192, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2015, 0.2644, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 133, 255) }
```

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

```
.background{ background-color: rgb(192,  
133, 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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