

Converting Colors

$Y_{xy}(36.2197, 0.2489, 0.1827)$

Have a look what the booklet for
Yxy(36.2197, 0.2489, 0.1827)
contains.

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Color

Yxy(35.0187, 0.2582, 0.1940)

Conversions

Conversions Part 1

Format	Color
Hex	B888FF
RGB	184, 136, 255
RGB Percent	72%, 53%, 100%
CMY	0.2786, 0.4665, 0.0001
CMYK	0.28, 0.47, 0.00, 0.00
HSL	264°, 100%, 77%
HSV	264°, 47%, 100%
XYZ	46.6074, 35.0187, 98.8827
YIQ	163.9180, -9.5910, 47.1850

Conversions

Conversions Part 2

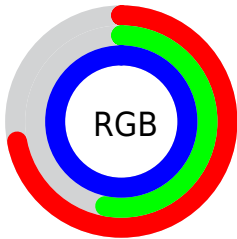
Format	Color
RYB	184, 136, 255
Decimal	12093695
CIELab	65.76, 41.86, -52.71
CIELCh	66, 67.306, 308.453
Yxy	35.0187, 0.2582, 0.1940
Android (android.graphics.Color)	4290283775 (0xFFB888FF)
YUV	163.9180, 44.9034, 17.6119
Hunter-Lab	59.1766, 37.0272, -57.6486

Details

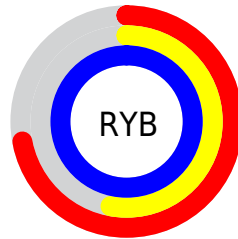
The Yxy color **35.0187, 0.2582, 0.1940** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.5512, 0.3489, 0.4579**, and the grayscale version is **36.8698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9242, 0.3059, 0.2634**, and **15.1634, 0.2411, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **26.8907, 0.2430, 0.1634**, and if you desaturate by 10%, it is **45.0597, 0.2725, 0.2254**.

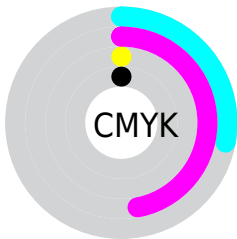
Distribution



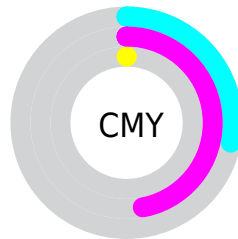
- Red (72%)
- Green (53%)
- Blue (100%)



- Red (72%)
- Yellow (53%)
- Blue (100%)



- Cyan (28%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0187, 0.2582, 0.1940 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 35.0187, 0.2582, 0.1940 by changing the saturation by 10% instead.


 35.0187, 0.2582,
0.1940


 35.0187, 0.2582,
0.1940


324.6509, 0.2874,
0.2564

 23.6773, 0.2507,
0.1802

 67.5147, 0.2690,
0.2153

 15.0944, 0.2410,
0.1636


 89.4381, 0.2731,
0.2237

 8.8857, 0.2283,
0.1434


 115.6577, 0.2764,
0.2310

 4.6667, 0.2109,
0.1185

146.5577, 0.2793,
0.2374

 2.0531, 0.1865,
0.0881

182.5226, 0.2817,
0.2430

 0.6380, 0.1515,
0.0509

223.9369, 0.2839,

 0.0000, 0.0981,

0.2479

0.0000

271.1848, 0.2857,
0.2524

0.0000, 0.0000,
0.0000

35.0187, 0.2582,
0.1940

35.0187, 0.2582,
0.1940

26.8907, 0.2430,
0.1634

45.0597, 0.2725,
0.2254

20.5423, 0.2275,
0.1353

57.1268, 0.2855,
0.2561

15.8287, 0.2124,
0.1114

71.3287, 0.2969,
0.2853

12.5792, 0.1985,
0.0932

87.7650, 0.3069,
0.3124

10.5806, 0.1866,
0.0812

99.9979, 0.3127,
0.3290

■ 10.0848, 0.1830,
0.0782

Harmonies

Analogous

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



35.0187, 0.1875, 0.1816



35.0187, 0.2582, 0.1940



35.0187, 0.3593, 0.2315

Triad

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



35.0187, 0.2582, 0.1940



35.0187, 0.4953, 0.4252



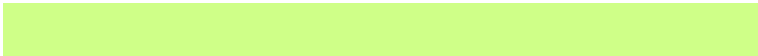
35.0187, 0.1785, 0.3519

Complementary

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



35.0187, 0.2582, 0.1940



86.5512, 0.3489, 0.4579

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.



35.0187, 0.2471, 0.4675



35.0187, 0.2582, 0.1940



35.0187, 0.4293, 0.4920

Square

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



35.0187, 0.2582, 0.1940



35.0187, 0.5116, 0.3543



35.0187, 0.3392, 0.5215



35.0187, 0.1476, 0.2525

Rectangle

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



35.0187, 0.2582, 0.1940



35.0187, 0.4296, 0.2676



35.0187, 0.3392, 0.5215



35.0187, 0.1974, 0.3921

Sweetspot

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



35.0200, 0.2582, 0.1940



75.4784, 0.2997, 0.2927



57.2722, 0.2400, 0.2716



15.4323, 0.2975, 0.2867



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.



35.0200, 0.2582, 0.1940



27.3684, 0.2440, 0.1654



43.9040, 0.3078, 0.2117



17.7349, 0.3042, 0.3049



5.3524, 0.1847, 0.0791



0.5828, 0.1973, 0.0860

Inverse Universe

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



43.3796, 0.3630, 0.2568



36.9454, 0.3778, 0.2441



79.5672, 0.3121, 0.4740



18.1692, 0.3200, 0.3149



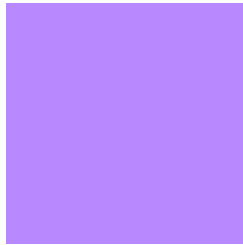
12.3283, 0.4556, 0.2283



1.2220, 0.4360, 0.2175

Previews

White Background



This preview shows how the Yxy color 35.0187, 0.2582, 0.1940 looks on a white background.

Color Contrast Check

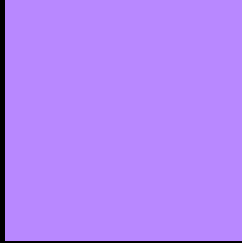
Large Text (above 18pt) WCAG AA × Fail

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 35.0187, 0.2582, 0.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

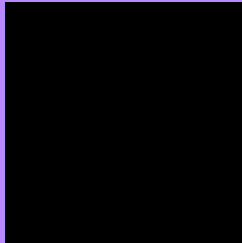
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0187, 0.2582, 0.1940

Background



This preview shows how black text looks on a background with the Yxy color 35.0187, 0.2582, 0.1940.



This preview shows how white text looks on a background with the Yxy color 35.0187, 0.2582, 0.1940.

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

35.0187, 0.2582, 0.1940

Protanopia

35.3989, 0.2198, 0.2048

Deuteranopia

35.4885, 0.2181, 0.2120



Tritanopia

34.9289, 0.3135, 0.3119

Trichromacy



Original Color

35.0187, 0.2582, 0.1940

Protanomaly

34.6442, 0.2315, 0.1990

Deuteranomaly

34.5648, 0.2296, 0.2029

Tritanomaly

34.6637, 0.2913, 0.2614

Monochromacy



Original Color

35.0187, 0.2582, 0.1940

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.8003, 0.2913, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0187, 0.2582, 0.1940 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(184, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 136, 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(184, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.0187, 0.2582, 0.1940 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(184, 136, 255) }
```

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

```
.border{ border-color:rgb(184, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0187, 0.2582, 0.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 136, 255) }
```

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

```
.background{ background-color: rgb(184,  
136, 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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