

Converting Colors

$Y_{xy}(36.4467, 0.2686, 0.1968)$

Have a look what the booklet for
Yxy(36.4467, 0.2686, 0.1968)
contains.

Yxy(36.4183, 0.2686, 0.1967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.4183, 0.2686, 0.1967)

Conversions

Conversions Part 1

Format	Color
Hex	C587FF
RGB	197, 135, 255
RGB Percent	77%, 53%, 100%
CMY	0.2276, 0.4705, 0.0001
CMYK	0.23, 0.47, 0.00, 0.00
HSL	271°, 100%, 76%
HSV	271°, 47%, 100%
XYZ	49.7303, 36.4183, 98.9978
YIQ	167.2180, -1.5680, 50.4640

Conversions

Conversions Part 2

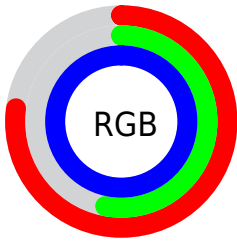
Format	Color
RYB	197, 135, 255
Decimal	12945407
CIELab	66.84, 45.84, -50.93
CIELCh	67, 68.520, 311.988
Yxy	36.4183, 0.2686, 0.1967
Android (android.graphics.Color)	4291135487 (0xFFC587FF)
YUV	167.2180, 43.2765, 26.1188
Hunter-Lab	60.3476, 41.4873, -55.0196

Details

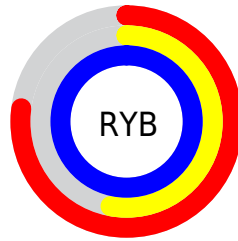
The Yxy color $36.4183, 0.2686, 0.1967$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.5989, 0.3400, 0.4630$, and the grayscale version is $38.5422, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.3069, 0.3157, 0.2653$, and $15.8392, 0.2533, 0.1665$ is the 20% darker color. If you saturate the color by 10%, you get $28.5380, 0.2561, 0.1680$, and if you desaturate by 10%, it is $46.1412, 0.2802, 0.2265$.

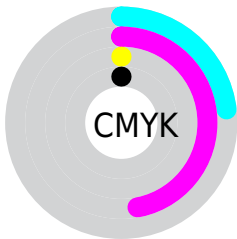
Distribution



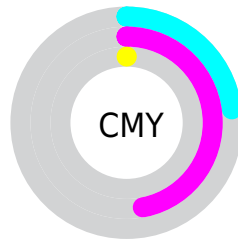
- Red (77%)
- Green (53%)
- Blue (100%)



- Red (77%)
- Yellow (53%)
- Blue (100%)



- Cyan (23%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4183, 0.2686, 0.1967 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 36.4183, 0.2686, 0.1967 by changing the saturation by 10% instead.

 36.4183, 0.2686,
0.1967


 36.4183, 0.2686,
0.1967


330.7852, 0.2927,
0.2574


 24.7574, 0.2623,
0.1834


 69.6772, 0.2776,
0.2174

 15.8964, 0.2541,
0.1673


 92.0440, 0.2809,
0.2256

 9.4509, 0.2432,
0.1476


 118.7483, 0.2837,
0.2327

 5.0364, 0.2282,
0.1235

150.1744, 0.2861,
0.2389

 2.2687, 0.2067,
0.0937

186.7068, 0.2881,
0.2443

 0.7570, 0.1748,
0.0579

228.7298, 0.2898,


 0.0000, 0.1290,


0.2492


0.0000


276.6278, 0.2913,
0.2535


 0.0000, 0.0000,
0.0000


 36.4183, 0.2686,
0.1967


 36.4183, 0.2686,
0.1967


 28.5380, 0.2561,
0.1680

 46.1412, 0.2802,
0.2265


 22.3692, 0.2431,
0.1420


 57.8168, 0.2907,
0.2561

 17.7696, 0.2301,
0.1200

 71.5516, 0.2999,
0.2846

 14.5709, 0.2179,
0.1033

 87.4428, 0.3079,
0.3114

 12.5591, 0.2067,
0.0922

99.9987, 0.3127,
0.3290

 12.0974, 0.2037,
0.0896

Harmonies

Analogous

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



36.4183, 0.1935, 0.1811



36.4183, 0.2686, 0.1967



36.4183, 0.3724, 0.2369

Triad

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



36.4183, 0.2686, 0.1967



36.4183, 0.4902, 0.4338



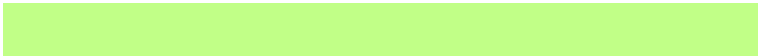
36.4183, 0.1723, 0.3382

Complementary

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



36.4183, 0.2686, 0.1967



84.5989, 0.3400, 0.4630

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.



36.4183, 0.2369, 0.4562



36.4183, 0.2686, 0.1967



36.4183, 0.4198, 0.4990

Square

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



36.4183, 0.2686, 0.1967



36.4183, 0.5140, 0.3625



36.4183, 0.3279, 0.5210



36.4183, 0.1458, 0.2434

Rectangle

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



36.4183, 0.2686, 0.1967



36.4183, 0.4415, 0.2744



36.4183, 0.3279, 0.5210



36.4183, 0.1896, 0.3779

Sweetspot

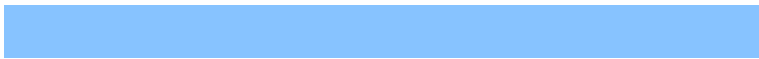
The Sweet Spot groups the original color and five complimentary colors.



36.4197, 0.2686, 0.1967



76.1710, 0.3025, 0.2930



51.4030, 0.2366, 0.2558



15.6005, 0.3007, 0.2871



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.



36.4197, 0.2686, 0.1967



29.2841, 0.2574, 0.1709



45.8098, 0.3181, 0.2145



17.8390, 0.3060, 0.3050



6.4117, 0.2053, 0.0905



0.6893, 0.2174, 0.0971

Inverse Universe

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



42.4431, 0.3780, 0.2695



36.2394, 0.3970, 0.2596



78.4097, 0.3057, 0.4782



18.1335, 0.3218, 0.3176



11.8901, 0.5034, 0.2547



1.1797, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 36.4183, 0.2686, 0.1967 looks on a white background.

Color Contrast Check

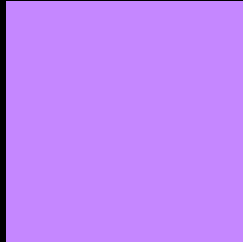
Large Text (above 18pt) WCAG AA × Fail

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 36.4183, 0.2686, 0.1967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

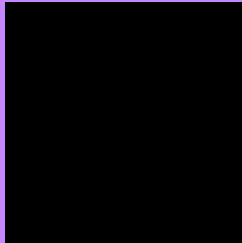
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4183, 0.2686, 0.1967

Background



This preview shows how black text looks on a background with the Yxy color 36.4183, 0.2686, 0.1967.



This preview shows how white text looks on a background with the Yxy color 36.4183, 0.2686, 0.1967.

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

36.4183, 0.2686, 0.1967

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.6733, 0.2233, 0.2168



Tritanopia

36.2149, 0.3274, 0.3113

Trichromacy



Original Color

36.4183, 0.2686, 0.1967



Protanomaly

36.0286, 0.2371, 0.2030



Deuteranomaly

35.7174, 0.2367, 0.2070

Tritanomaly

35.9147, 0.3034, 0.2625

Monochromacy



Original Color

36.4183, 0.2686, 0.1967



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.0312, 0.2960, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4183, 0.2686, 0.1967 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(197, 135, 255)` looks like.

```
.text, #text, p{  
  color:rgb(197, 135, 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(197, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.4183, 0.2686, 0.1967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

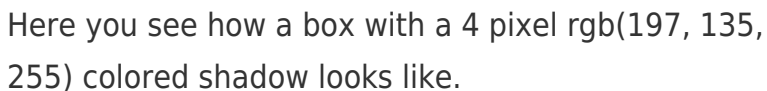
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 135, 255) }
```

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

```
.border{ border-color:rgb(197, 135, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 135, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 135, 255); box-shadow:4px 4px 4px 4px rgb(197, 135, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4183, 0.2686, 0.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 135, 255) }
```

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

```
.background{ background-color: rgb(197,  
135, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor