

Converting Colors

$Y_{xy}(36.8335, 0.2679, 0.1984)$

Have a look what the booklet for
Yxy(36.8335, 0.2679, 0.1984)
contains.

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Color

Yxy(36.8471, 0.2680, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	C489FF
RGB	196, 137, 255
RGB Percent	77%, 54%, 100%
CMY	0.2311, 0.4629, 0.0000
CMYK	0.23, 0.46, 0.00, 0.00
HSL	270°, 100%, 77%
HSV	270°, 46%, 100%
XYZ	49.7733, 36.8471, 99.1009
YIQ	168.0930, -2.7140, 49.2060

Conversions

Conversions Part 2

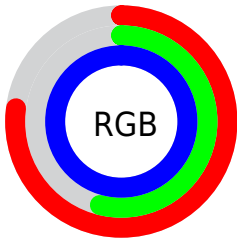
Format	Color
R_{YB}	196, 137, 255
Decimal	12880383
CIE _{Lab}	67.16, 44.56, -50.44
CIE _{LCh}	67, 67.302, 311.458
Yxy	36.8471, 0.2680, 0.1984
Android (android.graphics.Color)	4291070463 (0xFFC489FF)
YUV	168.0930, 42.8452, 24.4744
Hunter-Lab	60.7018, 40.1354, -54.3047

Details

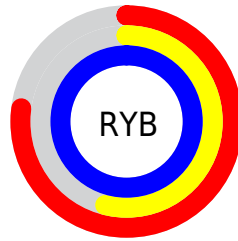
The Yxy color **36.8471, 0.2680, 0.1984** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.0488, 0.3410, 0.4602**, and the grayscale version is **38.9941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **16.1497, 0.2535, 0.1688** is the 20% darker color. If you saturate the color by 10%, you get **28.8005, 0.2551, 0.1693**, and if you desaturate by 10%, it is **46.7535, 0.2799, 0.2284**.

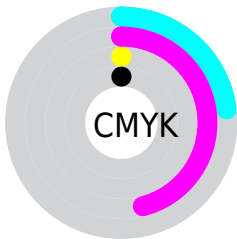
Distribution



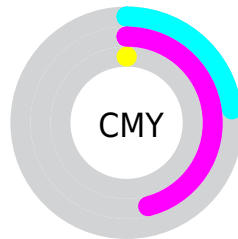
- Red (77%)
- Green (54%)
- Blue (100%)



- Red (77%)
- Yellow (54%)
- Blue (100%)



- Cyan (23%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8471, 0.2680, 0.1984 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 36.8471, 0.2680, 0.1984 by changing the saturation by 10% instead.


 36.8471, 0.2680,
0.1984


 36.8471, 0.2680,
0.1984


332.6481, 0.2922,
0.2584


 25.0891, 0.2617,
0.1852


 70.3376, 0.2771,
0.2189

 16.1435, 0.2535,
0.1693


 92.8388, 0.2804,
0.2270

 9.6257, 0.2426,
0.1498


 119.6900, 0.2832,
0.2340

 5.1515, 0.2276,
0.1257

151.2755, 0.2856,
0.2401

 2.3364, 0.2062,
0.0961

187.9796, 0.2876,
0.2455

 0.7929, 0.1744,
0.0604

230.1868, 0.2894,

 0.0000, 0.1291,

0.2503

0.0000


278.2815, 0.2909,
0.2545


 0.0000, 0.0000,
0.0000

 36.8471, 0.2680,
0.1984


 36.8471, 0.2680,
0.1984

 28.8005, 0.2551,
0.1693


 46.7535, 0.2799,
0.2284


 22.4843, 0.2418,
0.1428


 58.6306, 0.2907,
0.2582

 17.7571, 0.2285,
0.1202

 72.5840, 0.3001,
0.2867

 14.4523, 0.2159,
0.1028

 88.7109, 0.3082,
0.3133

 12.3635, 0.2045,
0.0912

100.0000, 0.3127,
0.3290

■ 11.7836, 0.2005,
0.0878

Harmonies

Analogous

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



36.8471, 0.1947, 0.1835



36.8471, 0.2680, 0.1984



36.8471, 0.3694, 0.2377

Triad

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



36.8471, 0.2680, 0.1984



36.8471, 0.4881, 0.4316



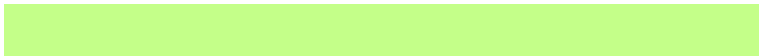
36.8471, 0.1757, 0.3402

Complementary

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



36.8471, 0.2680, 0.1984



85.0488, 0.3410, 0.4602

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.



36.8471, 0.2401, 0.4549



36.8471, 0.2680, 0.1984



36.8471, 0.4199, 0.4952

Square

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



36.8471, 0.2680, 0.1984



36.8471, 0.5098, 0.3614



36.8471, 0.3299, 0.5168



36.8471, 0.1487, 0.2466

Rectangle

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



36.8471, 0.2680, 0.1984



36.8471, 0.4372, 0.2745



36.8471, 0.3299, 0.5168



36.8471, 0.1931, 0.3791

Sweetspot

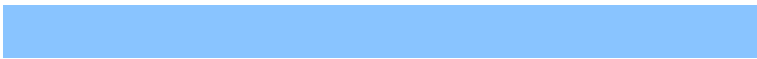
The Sweet Spot groups the original color and five complimentary colors.



36.8482, 0.2680, 0.1984



76.0742, 0.3021, 0.2930



52.0099, 0.2379, 0.2572



15.5770, 0.3002, 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.



36.8482, 0.2680, 0.1984



29.0053, 0.2555, 0.1701



46.3637, 0.3180, 0.2161



17.8245, 0.3058, 0.3050



6.2460, 0.2022, 0.0888



0.6731, 0.2144, 0.0955

Inverse Universe

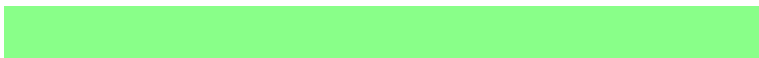
The Inverse Universe completely reimagines the original color for something new.



43.1250, 0.3745, 0.2686



36.3325, 0.3943, 0.2574



78.6415, 0.3058, 0.4755



18.1384, 0.3215, 0.3172



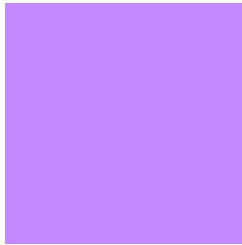
11.9441, 0.4967, 0.2510



1.1850, 0.4712, 0.2370

Previews

White Background



This preview shows how the Yxy color 36.8471, 0.2680, 0.1984 looks on a white background.

Color Contrast Check

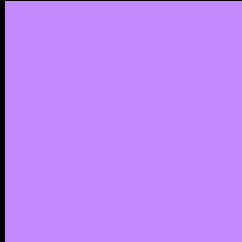
Large Text (above 18pt) WCAG AA × Fail

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 36.8471, 0.2680, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

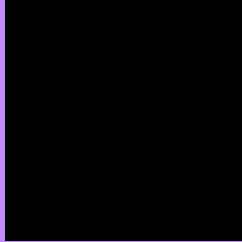
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8471, 0.2680, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 36.8471, 0.2680, 0.1984.



This preview shows how white text looks on a background with the Yxy color 36.8471, 0.2680, 0.1984.

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

36.8471, 0.2680, 0.1984

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.1615, 0.2236, 0.2173



Tritanopia

36.8023, 0.3252, 0.3127

Trichromacy



Original Color

36.8471, 0.2680, 0.1984

Protanomaly

36.4488, 0.2379, 0.2045

Deuteranomaly

36.4354, 0.2366, 0.2085

Tritanomaly

36.4219, 0.3024, 0.2649

Monochromacy



Original Color

36.8471, 0.2680, 0.1984

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.7490, 0.2952, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8471, 0.2680, 0.1984 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, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 137, 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(196, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.8471, 0.2680, 0.1984 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, 137, 255) }
```

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

```
.border{ border-color:rgb(196, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 137,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8471, 0.2680, 0.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 137, 255) }
```

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

```
.background{ background-color: rgb(196,  
137, 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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