

Converting Colors

$Yxy(37.9676, 0.2630, 0.2163)$

Have a look what the booklet for
Yxy(37.9676, 0.2630, 0.2163)
contains.

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Color

Yxy(38.1086, 0.2631, 0.2170)

Conversions

Conversions Part 1

Format	Color
Hex	B496F5
RGB	180, 150, 245
RGB Percent	71%, 59%, 96%
CMY	0.2942, 0.4117, 0.0392
CMYK	0.27, 0.39, 0.00, 0.04
HSL	259°, 83%, 77%
HSV	259°, 39%, 96%
XYZ	46.2045, 38.1086, 91.3026
YIQ	169.8000, -12.6150, 35.9050

Conversions

Conversions Part 2

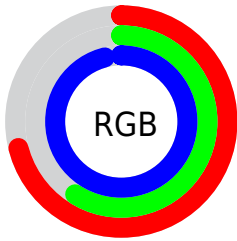
Format	Color
R _Y B	180, 150, 245
Decimal	11835125
CIE Lab	68.10, 30.64, -43.60
CIE LCh	68, 53.288, 305.101
Yxy	38.1086, 0.2631, 0.2170
Android (android.graphics.Color)	4290025205 (0xFFB496F5)
YUV	169.8000, 37.0736, 8.9454
Hunter-Lab	61.7322, 25.5701, -44.4781

Details

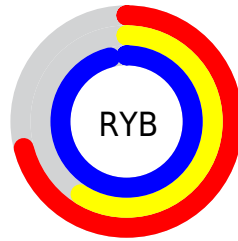
The Yxy color **38.1086, 0.2631, 0.2170** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.9575, 0.3496, 0.4329**, and the grayscale version is **39.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4103, 0.3021, 0.2771**, and **16.9145, 0.2483, 0.1909** is the 20% darker color. If you saturate the color by 10%, you get **29.1983, 0.2467, 0.1846**, and if you desaturate by 10%, it is **48.8998, 0.2782, 0.2488**.

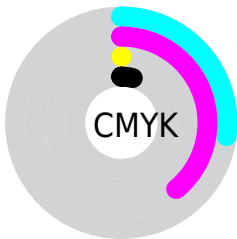
Distribution



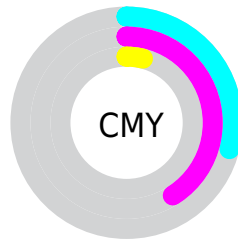
- Red (71%)
- Green (59%)
- Blue (96%)



- Red (71%)
- Yellow (59%)
- Blue (96%)



- Cyan (27%)
- Magenta (39%)
- Yellow (0%)
- Black (4%)





- Cyan (29%)
- Magenta (41%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1086, 0.2631, 0.2170 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 38.1086, 0.2631, 0.2170 by changing the saturation by 10% instead.

 38.1086, 0.2631,
0.2170


 38.1086, 0.2631,
0.2170


338.0856, 0.2891,
0.2697

 26.0670, 0.2565,
0.2050


 72.2746, 0.2727,
0.2353

 16.8738, 0.2479,
0.1903

 95.1677, 0.2763,
0.2425

 10.1445, 0.2366,
0.1719


122.4468, 0.2793,
0.2486

 5.4949, 0.2212,
0.1486

154.4963, 0.2818,
0.2539

 2.5405, 0.1990,
0.1186

191.7005, 0.2840,
0.2586

 0.8968, 0.1660,
0.0804

234.4439, 0.2859,


 0.0000, 0.1140,


0.2628


0.0000


283.1108, 0.2876,
0.2664


 0.0000, 0.0000,
0.0000

 38.1086, 0.2631,
0.2170


 38.1086, 0.2631,
0.2170


 29.1983, 0.2467,
0.1846


 48.8998, 0.2782,
0.2488


 22.0533, 0.2296,
0.1531


 61.6696, 0.2918,
0.2790


 16.5515, 0.2126,
0.1245

 76.5139, 0.3037,
0.3068

 12.5529, 0.1967,
0.1008

 93.5210, 0.3139,
0.3320

 9.8931, 0.1829,
0.0833

 99.3723, 0.3185,
0.3386

■ 8.3348, 0.1718,
0.0724

■ 8.1816, 0.1706,
0.0713

Harmonies

Analogous

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



38.1086, 0.2074, 0.2099



38.1086, 0.2631, 0.2170



38.1086, 0.3408, 0.2463

Triad

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



38.1086, 0.2631, 0.2170



38.1086, 0.4625, 0.4064



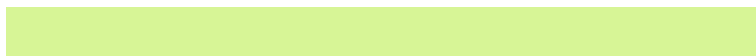
38.1086, 0.2119, 0.3584

Complementary

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



38.1086, 0.2631, 0.2170



81.9575, 0.3496, 0.4329

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.



38.1086, 0.2718, 0.4393



38.1086, 0.2631, 0.2170



38.1086, 0.4170, 0.4564

Square

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



38.1086, 0.2631, 0.2170



38.1086, 0.4655, 0.3484



38.1086, 0.3470, 0.4758



38.1086, 0.1806, 0.2791

Rectangle

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



38.1086, 0.2631, 0.2170



38.1086, 0.3949, 0.2757



38.1086, 0.3470, 0.4758



38.1086, 0.2290, 0.3875

Sweetspot

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



38.1101, 0.2631, 0.2170



78.2478, 0.3000, 0.2980



62.4470, 0.2538, 0.2948



16.2857, 0.2984, 0.2944



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.



38.1101, 0.2631, 0.2170



33.4687, 0.2495, 0.1900



44.5787, 0.3010, 0.2283



16.1803, 0.3029, 0.3049



4.4727, 0.1721, 0.0722



0.4456, 0.1854, 0.0795

Inverse Universe

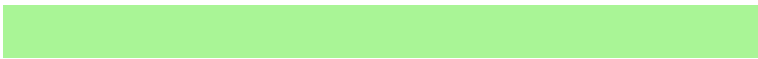
The Inverse Universe completely reimagines the original color for something new.



46.1376, 0.3437, 0.2607



43.6499, 0.3529, 0.2466



75.9410, 0.3186, 0.4438



16.6741, 0.3186, 0.3129



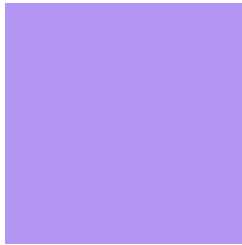
12.0016, 0.4205, 0.2090



1.0734, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 38.1086, 0.2631, 0.2170 looks on a white background.

Color Contrast Check

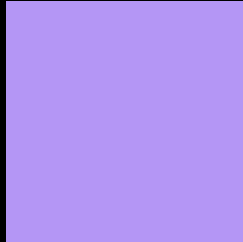
Large Text (above 18pt) WCAG AA × Fail

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 38.1086, 0.2631, 0.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

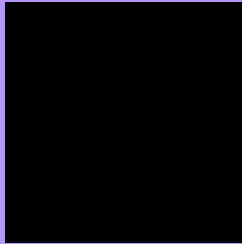
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1086, 0.2631, 0.2170

Background



This preview shows how black text looks on a background with the Yxy color 38.1086, 0.2631, 0.2170.

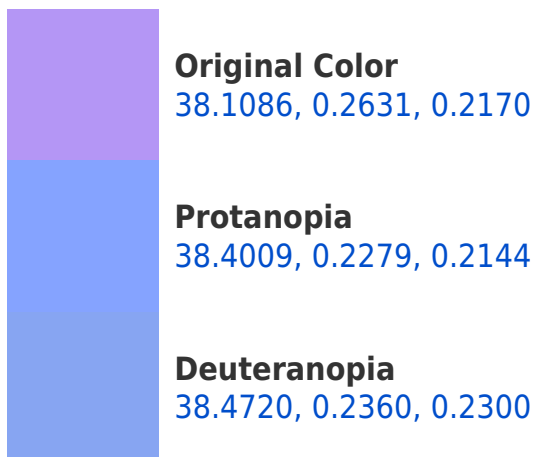


This preview shows how white text looks on a background with the Yxy color 38.1086, 0.2631, 0.2170.

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





Tritanopia

37.9407, 0.3044, 0.3109

Trichromacy



Original Color

38.1086, 0.2631, 0.2170

Protanomaly

37.9028, 0.2392, 0.2148

Deuteranomaly

38.1920, 0.2446, 0.2251

Tritanomaly

37.8312, 0.2883, 0.2722

Monochromacy



Original Color

38.1086, 0.2631, 0.2170

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.2243, 0.2942, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1086, 0.2631, 0.2170 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(180, 150, 245)` looks like.

```
.text, #text, p{  
    color:rgb(180, 150, 245)  
}
```

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(180, 150, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 150, 245) }
```

Border

The CSS property to change the border of an element to Yxy 38.1086, 0.2631, 0.2170 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(180, 150, 245) }
```

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

```
.border{ border-color:rgb(180, 150, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 150, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 150, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 150, 245);  
box-shadow:4px 4px 4px 4px rgb(180, 150,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1086, 0.2631, 0.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 150, 245) }
```

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

```
.background{ background-color: rgb(180,  
150, 245) }
```

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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