

Converting Colors

$Y_{xy}(38.8513, 0.2543, 0.1956)$

Have a look what the booklet for
Yxy(38.8513, 0.2543, 0.1956)
contains.

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Color

Yxy(38.0356, 0.2615, 0.2044)

Conversions

Conversions Part 1

Format	Color
Hex	BB91FF
RGB	187, 145, 255
RGB Percent	73%, 57%, 100%
CMY	0.2668, 0.4313, 0.0000
CMYK	0.27, 0.43, 0.00, 0.00
HSL	263°, 100%, 78%
HSV	263°, 43%, 100%
XYZ	48.6610, 38.0356, 99.3875
YIQ	170.0980, -10.2780, 43.1140

Conversions

Conversions Part 2

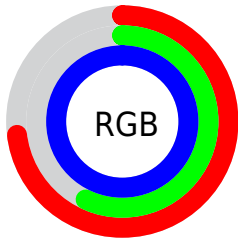
Format	Color
RYB	187, 145, 255
Decimal	12292607
CIELab	68.05, 37.72, -49.10
CIELCh	68, 61.917, 307.533
Yxy	38.0356, 0.2615, 0.2044
Android (android.graphics.Color)	4290482687 (0xFFBB91FF)
YUV	170.0980, 41.8567, 14.8231
Hunter-Lab	61.6730, 32.9116, -52.3762

Details

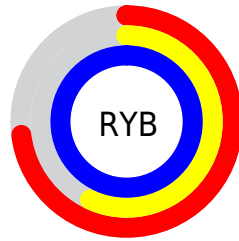
The Yxy color **38.0356, 0.2615, 0.2044** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.7208, 0.3483, 0.4471**, and the grayscale version is **40.0406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4793, 0.3079, 0.2729**, and **16.9079, 0.2456, 0.1763** is the 20% darker color. If you saturate the color by 10%, you get **29.2164, 0.2461, 0.1731**, and if you desaturate by 10%, it is **48.8246, 0.2758, 0.2360**.

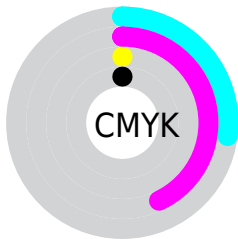
Distribution



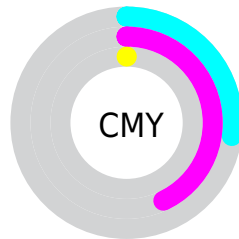
- Red (73%)
- Green (57%)
- Blue (100%)



- Red (73%)
- Yellow (57%)
- Blue (100%)



- Cyan (27%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0356, 0.2615, 0.2044 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 38.0356, 0.2615, 0.2044 by changing the saturation by 10% instead.


 38.0356, 0.2615,
0.2044


 38.0356, 0.2615,
0.2044


337.7727, 0.2885,
0.2620

 26.0103, 0.2546,
0.1916


 72.1627, 0.2715,
0.2242

 16.8314, 0.2458,
0.1761


 95.0333, 0.2752,
0.2319

 10.1143, 0.2342,
0.1571


122.2878, 0.2783,
0.2387

 5.4748, 0.2183,
0.1334

154.3106, 0.2810,
0.2445

 2.5285, 0.1960,
0.1038

191.4861, 0.2832,
0.2497

 0.8908, 0.1634,
0.0678

234.1987, 0.2852,

 0.0000, 0.1177,

0.2543

0.0000

282.8327, 0.2870,
0.2583

■ 0.0000, 0.0000,
0.0000

■ 38.0356, 0.2615,
0.2044

■ 38.0356, 0.2615,
0.2044

■ 29.2164, 0.2461,
0.1731

■ 48.8246, 0.2758,
0.2360

■ 22.2378, 0.2301,
0.1436

■ 61.6939, 0.2888,
0.2664

■ 16.9607, 0.2144,
0.1177

■ 76.7499, 0.3001,
0.2950

■ 13.2233, 0.1998,
0.0971

■ 94.0905, 0.3099,
0.3213

■ 10.8300, 0.1871,
0.0829

■ 100.0000, 0.3127,
0.3290

■ 9.7742, 0.1796,
0.0763

Harmonies

Analogous

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



38.0356, 0.1970, 0.1939



38.0356, 0.2615, 0.2044



38.0356, 0.3522, 0.2387

Triad

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



38.0356, 0.2615, 0.2044



38.0356, 0.4807, 0.4183



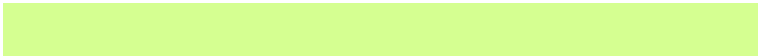
38.0356, 0.1926, 0.3538

Complementary

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



38.0356, 0.2615, 0.2044



87.7208, 0.3483, 0.4471

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.



38.0356, 0.2573, 0.4535



38.0356, 0.2615, 0.2044



38.0356, 0.4236, 0.4770

Square

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



38.0356, 0.2615, 0.2044



38.0356, 0.4914, 0.3531



38.0356, 0.3420, 0.5005



38.0356, 0.1619, 0.2636

Rectangle

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



38.0356, 0.2615, 0.2044



38.0356, 0.4150, 0.2721



38.0356, 0.3420, 0.5005



38.0356, 0.2107, 0.3888

Sweetspot

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



38.0368, 0.2615, 0.2044



76.9584, 0.3003, 0.2954



61.6770, 0.2460, 0.2813



15.7182, 0.2979, 0.2893



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.



38.0368, 0.2615, 0.2044



30.1173, 0.2479, 0.1765



46.0616, 0.3053, 0.2189



17.7153, 0.3039, 0.3048



5.1861, 0.1813, 0.0772



0.5653, 0.1938, 0.0841

Inverse Universe

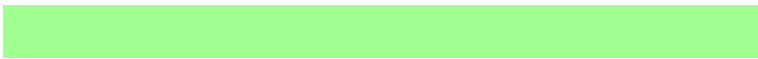
The Inverse Universe completely reimagines the original color for something new.



46.3248, 0.3555, 0.2598



39.6582, 0.3682, 0.2466



81.0062, 0.3145, 0.4607



18.1761, 0.3197, 0.3144



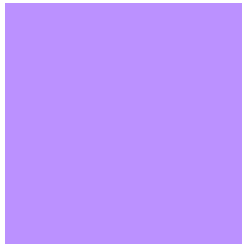
12.4246, 0.4468, 0.2235



1.2311, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 38.0356, 0.2615, 0.2044 looks on a white background.

Color Contrast Check

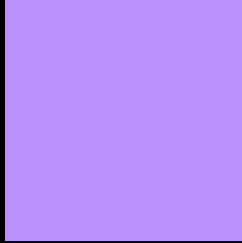
Large Text (above 18pt) WCAG AA × Fail

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 38.0356, 0.2615, 0.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

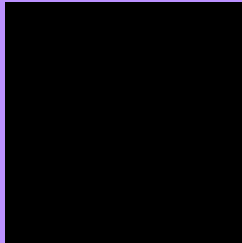
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0356, 0.2615, 0.2044

Background



This preview shows how black text looks on a background with the Yxy color 38.0356, 0.2615, 0.2044.



This preview shows how white text looks on a background with the Yxy color 38.0356, 0.2615, 0.2044.

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

38.0356, 0.2615, 0.2044

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.3109, 0.2264, 0.2197



Tritanopia

38.0602, 0.3107, 0.3124

Trichromacy



Original Color

38.0356, 0.2615, 0.2044



Protanomaly

37.6723, 0.2380, 0.2091



Deuteranomaly

37.7779, 0.2374, 0.2135



Tritanomaly

37.4837, 0.2910, 0.2666

Monochromacy



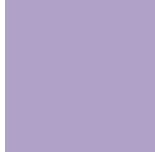
Original Color

38.0356, 0.2615, 0.2044



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.9369, 0.2927, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0356, 0.2615, 0.2044 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(187, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 145, 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(187, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.0356, 0.2615, 0.2044 is called "border". The border property can be set on classes, ids or directly on the HTML element.

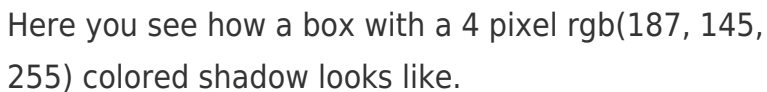
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 145, 255) }
```

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

```
.border{ border-color:rgb(187, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0356, 0.2615, 0.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 145, 255) }
```

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

```
.background{ background-color: rgb(187,  
145, 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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