

Converting Colors

$Yxy(38.0245, 0.2464, 0.2082)$

Have a look what the booklet for
Yxy(38.0245, 0.2464, 0.2082)
contains.

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Color

Yxy(38.0018, 0.2463, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	A599FF
RGB	165, 153, 255
RGB Percent	65%, 60%, 100%
CMY	0.3530, 0.4000, 0.0000
CMYK	0.35, 0.40, 0.00, 0.00
HSL	247°, 100%, 80%
HSV	247°, 40%, 100%
XYZ	44.9560, 38.0018, 99.5676
YIQ	168.2160, -25.5900, 34.2660

Conversions

Conversions Part 2

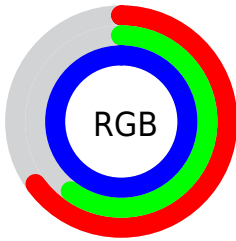
Format	Color
RYB	165, 153, 255
Decimal	10852863
CIELab	68.02, 27.41, -49.26
CIELCh	68, 56.371, 299.091
Yxy	38.0018, 0.2463, 0.2082
Android (android.graphics.Color)	4289042943 (0xFFA599FF)
YUV	168.2160, 42.7845, -2.8204
Hunter-Lab	61.6456, 22.2941, -52.6110

Details

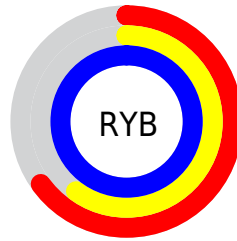
The Yxy color **38.0018, 0.2463, 0.2082** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.8721, 0.3645, 0.4314**, and the grayscale version is **39.0654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5336, 0.2922, 0.2788**, and **16.8312, 0.2270, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **28.3243, 0.2261, 0.1734**, and if you desaturate by 10%, it is **49.8900, 0.2656, 0.2423**.

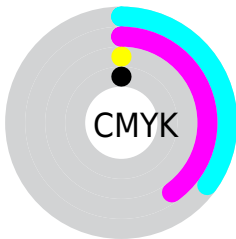
Distribution



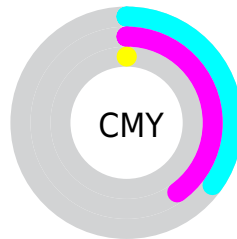
- Red (65%)
- Green (60%)
- Blue (100%)



- Red (65%)
- Yellow (60%)
- Blue (100%)



- Cyan (35%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0018, 0.2463, 0.2082 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 38.0018, 0.2463, 0.2082 by changing the saturation by 10% instead.


 38.0018, 0.2463,
0.2082


 38.0018, 0.2463,
0.2082


337.6277, 0.2803,
0.2648

 25.9841, 0.2379,
0.1955


 72.1109, 0.2587,
0.2278

 16.8117, 0.2272,
0.1800


 94.9711, 0.2633,
0.2354

 10.1004, 0.2134,
0.1608


122.2142, 0.2672,
0.2420

 5.4655, 0.1950,
0.1369

154.2246, 0.2706,
0.2477

 2.5229, 0.1696,
0.1067

191.3868, 0.2735,
0.2528

 0.8881, 0.1340,
0.0697

234.0851, 0.2761,

 0.0000, 0.0788,

0.2573

0.0000

282.7039, 0.2783,
0.2612


 0.0000, 0.0000,
0.0000


 38.0018, 0.2463,
0.2082

 38.0018, 0.2463,
0.2082


 28.3243, 0.2261,
0.1734


 49.8900, 0.2656,
0.2423

 20.7164, 0.2060,
0.1397


 64.1097, 0.2832,
0.2742

 15.0272, 0.1875,
0.1098

 80.7781, 0.2990,
0.3032

 11.0834, 0.1719,
0.0861

99.9996, 0.3127,
0.3290

 8.6799, 0.1604,
0.0701

■ 7.4956, 0.1534,
0.0619

■ 7.4952, 0.1534,
0.0619

Harmonies

Analogous

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



38.0018, 0.1941, 0.2057



38.0018, 0.2463, 0.2082



38.0018, 0.3246, 0.2344

Triad

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



38.0018, 0.2463, 0.2082



38.0018, 0.4753, 0.3970



38.0018, 0.2167, 0.3786

Complementary

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



38.0018, 0.2463, 0.2082



92.8721, 0.3645, 0.4314

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.



38.0018, 0.2841, 0.4596



38.0018, 0.2463, 0.2082



38.0018, 0.4341, 0.4534

Square

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



38.0018, 0.2463, 0.2082



38.0018, 0.4686, 0.3363



38.0018, 0.3637, 0.4846



38.0018, 0.1780, 0.2904

Rectangle

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



38.0018, 0.2463, 0.2082



38.0018, 0.3828, 0.2629



38.0018, 0.3637, 0.4846



38.0018, 0.2365, 0.4093

Sweetspot

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



38.0032, 0.2463, 0.2082



77.2400, 0.2960, 0.2976



78.1510, 0.2553, 0.3154



16.0501, 0.2940, 0.2939



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.



38.0032, 0.2463, 0.2082



30.0876, 0.2302, 0.1803



44.5880, 0.2851, 0.2202



17.4800, 0.2997, 0.3045



3.9487, 0.1541, 0.0623



0.4157, 0.1615, 0.0663

Inverse Universe

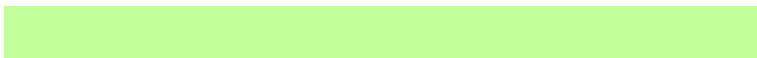
The Inverse Universe completely reimagines the original color for something new.



50.5151, 0.3273, 0.2403



44.2535, 0.3308, 0.2239



85.0361, 0.3304, 0.4440



18.2614, 0.3156, 0.3083



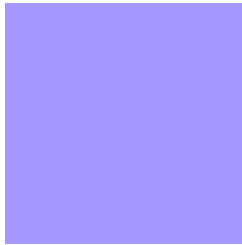
13.9647, 0.3530, 0.1719



1.3697, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 38.0018, 0.2463, 0.2082 looks on a white background.

Color Contrast Check

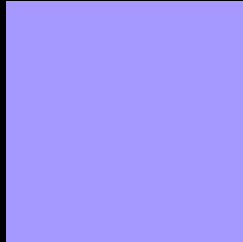
Large Text (above 18pt) WCAG AA × Fail

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 38.0018, 0.2463, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

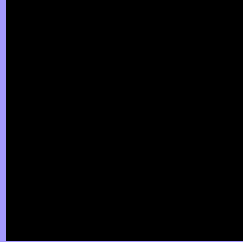
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0018, 0.2463, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 38.0018, 0.2463, 0.2082.



This preview shows how white text looks on a background with the Yxy color 38.0018, 0.2463, 0.2082.

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

38.0018, 0.2463, 0.2082

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.1495, 0.2243, 0.2183



Tritanopia

38.1429, 0.2849, 0.3103

Trichromacy



Original Color

38.0018, 0.2463, 0.2082

Protanomaly

37.9456, 0.2336, 0.2113

Deuteranomaly

37.9849, 0.2313, 0.2146

Tritanomaly

37.7664, 0.2694, 0.2669

Monochromacy



Original Color

38.0018, 0.2463, 0.2082

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5800, 0.2858, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0018, 0.2463, 0.2082 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(165, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 153, 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(165, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.0018, 0.2463, 0.2082 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(165, 153, 255) }
```

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

```
.border{ border-color:rgb(165, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0018, 0.2463, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 153, 255) }
```

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

```
.background{ background-color: rgb(165,  
153, 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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