

Converting Colors

$Yxy(38.1481, 0.2473, 0.2085)$

Have a look what the booklet for
Yxy(38.1481, 0.2473, 0.2085)
contains.

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Color

Yxy(38.1095, 0.2470, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	A699FF
RGB	166, 153, 255
RGB Percent	65%, 60%, 100%
CMY	0.3490, 0.4000, 0.0000
CMYK	0.35, 0.40, 0.00, 0.00
HSL	248°, 100%, 80%
HSV	248°, 40%, 100%
XYZ	45.1682, 38.1095, 99.5894
YIQ	168.5150, -24.9940, 34.4780

Conversions

Conversions Part 2

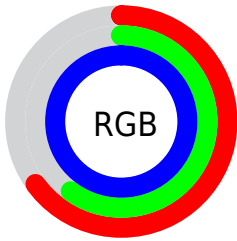
Format	Color
RYB	166, 153, 255
Decimal	10918399
CIELab	68.10, 27.68, -49.14
CIElCh	68, 56.396, 299.391
Yxy	38.1095, 0.2470, 0.2084
Android (android.graphics.Color)	4289108479 (0xFFA699FF)
YUV	168.5150, 42.6371, -2.2057
Hunter-Lab	61.7329, 22.5707, -52.4354

Details

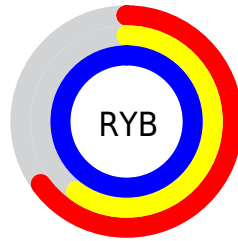
The Yxy color **38.1095, 0.2470, 0.2084** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.6967, 0.3638, 0.4317**, and the grayscale version is **39.2203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6929, 0.2929, 0.2789**, and **16.8950, 0.2278, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **28.4358, 0.2270, 0.1737**, and if you desaturate by 10%, it is **49.9843, 0.2661, 0.2424**.

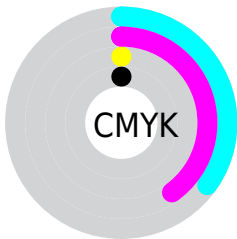
Distribution



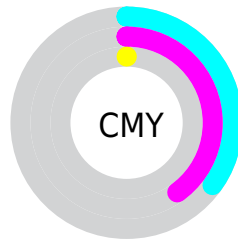
- Red (65%)
- Green (60%)
- Blue (100%)



- 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 38.1095, 0.2470, 0.2084 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 38.1095, 0.2470, 0.2084 by changing the saturation by 10% instead.


 38.1095, 0.2470,
0.2084

 38.1095, 0.2470,
0.2084

338.0895, 0.2806,
0.2649

 26.0677, 0.2387,
0.1957


 72.2759, 0.2592,
0.2279

 16.8743, 0.2281,
0.1802


 95.1694, 0.2638,
0.2355

 10.1449, 0.2144,
0.1611


122.4488, 0.2677,
0.2421

 5.4951, 0.1961,
0.1372

154.4986, 0.2711,
0.2479

 2.5406, 0.1709,
0.1072

191.7031, 0.2739,
0.2529

 0.8969, 0.1355,
0.0702

234.4469, 0.2765,


 0.0000, 0.0811,


0.2573


0.0000

283.1142, 0.2787,
0.2613


 0.0000, 0.0000,
0.0000


 38.1095, 0.2470,
0.2084


 38.1095, 0.2470,
0.2084


 28.4358, 0.2270,
0.1737


 49.9843, 0.2661,
0.2424

 20.8246, 0.2070,
0.1401


 64.1819, 0.2836,
0.2742

 15.1254, 0.1885,
0.1103

 80.8184, 0.2991,
0.3032

 11.1659, 0.1728,
0.0865

100.0000, 0.3127,
0.3290

 8.7423, 0.1611,
0.0705

■ 7.5353, 0.1539,
0.0621

■ 7.5353, 0.1539,
0.0621

Harmonies

Analogous

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



38.1095, 0.1945, 0.2056



38.1095, 0.2470, 0.2084



38.1095, 0.3254, 0.2349

Triad

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



38.1095, 0.2470, 0.2084



38.1095, 0.4750, 0.3976



38.1095, 0.2162, 0.3777

Complementary

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



38.1095, 0.2470, 0.2084



92.6967, 0.3638, 0.4317

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.



38.1095, 0.2834, 0.4589



38.1095, 0.2470, 0.2084



38.1095, 0.4335, 0.4538

Square

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



38.1095, 0.2470, 0.2084



38.1095, 0.4688, 0.3369



38.1095, 0.3629, 0.4846



38.1095, 0.1778, 0.2896

Rectangle

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



38.1095, 0.2470, 0.2084



38.1095, 0.3837, 0.2634



38.1095, 0.3629, 0.4846



38.1095, 0.2359, 0.4083

Sweetspot

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



38.1104, 0.2470, 0.2084



77.2898, 0.2962, 0.2977



78.1536, 0.2553, 0.3154



16.0617, 0.2942, 0.2940



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.



38.1104, 0.2470, 0.2084



30.2006, 0.2310, 0.1806



44.5867, 0.2851, 0.2202



17.4887, 0.2998, 0.3045



3.9715, 0.1547, 0.0626



0.4198, 0.1624, 0.0668

Inverse Universe

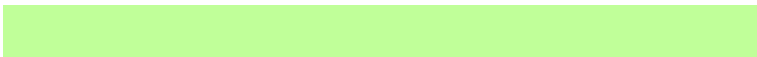
The Inverse Universe completely reimagines the original color for something new.



50.4536, 0.3281, 0.2411



44.1812, 0.3319, 0.2249



85.0396, 0.3304, 0.4440



18.2582, 0.3158, 0.3085



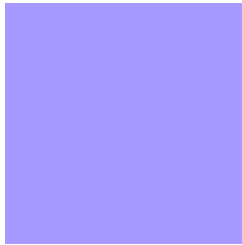
13.8940, 0.3560, 0.1735



1.3635, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 38.1095, 0.2470, 0.2084 looks on a white background.

Color Contrast Check

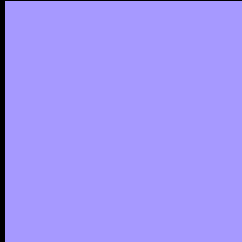
Large Text (above 18pt) WCAG AA × Fail

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 38.1095, 0.2470, 0.2084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

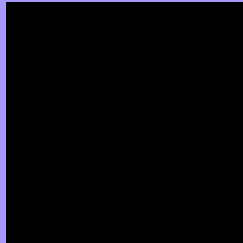
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1095, 0.2470, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 38.1095, 0.2470, 0.2084.



This preview shows how white text looks on a background with the Yxy color 38.1095, 0.2470, 0.2084.

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

38.1095, 0.2470, 0.2084

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.2236, 0.2248, 0.2185



Tritanopia

38.2374, 0.2857, 0.3103

Trichromacy



Original Color

38.1095, 0.2470, 0.2084

Protanomaly

37.9456, 0.2336, 0.2113

Deuteranomaly

38.0706, 0.2319, 0.2147

Tritanomaly

37.8658, 0.2702, 0.2670

Monochromacy



Original Color

38.1095, 0.2470, 0.2084

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.6893, 0.2867, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1095, 0.2470, 0.2084 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(166, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1095, 0.2470, 0.2084 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(166, 153, 255) }
```

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

```
.border{ border-color:rgb(166, 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(166, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1095, 0.2470, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 153, 255) }
```

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

```
.background{ background-color: rgb(166,  
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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