

Converting Colors

$Yxy(38.5602, 0.2499, 0.2093)$

Have a look what the booklet for
Yxy(38.5602, 0.2499, 0.2093)
contains.

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Color

Yxy(38.5485, 0.2498, 0.2093)

Conversions

Conversions Part 1

Format	Color
Hex	AA99FF
RGB	170, 153, 255
RGB Percent	67%, 60%, 100%
CMY	0.3336, 0.3999, 0.0000
CMYK	0.33, 0.40, 0.00, 0.00
HSL	250°, 100%, 80%
HSV	250°, 40%, 100%
XYZ	46.0077, 38.5485, 99.6220
YIQ	169.7110, -22.6100, 35.3260

Conversions

Conversions Part 2

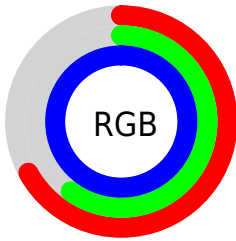
Format	Color
R _Y B	170, 153, 255
Decimal	11180543
CIE Lab	68.42, 28.69, -48.60
CIE LCh	68, 56.442, 300.555
Yxy	38.5485, 0.2498, 0.2093
Android (android.graphics.Color)	4289370623 (0xFFAA99FF)
YUV	169.7110, 42.0475, 0.2535
Hunter-Lab	62.0874, 23.6181, -51.6722

Details

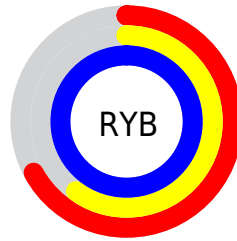
The Yxy color **38.5485, 0.2498, 0.2093** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.0128, 0.3611, 0.4326**, and the grayscale version is **39.8403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3396, 0.2957, 0.2793**, and **17.1574, 0.2313, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **28.8931, 0.2304, 0.1750**, and if you desaturate by 10%, it is **50.3738, 0.2682, 0.2429**.

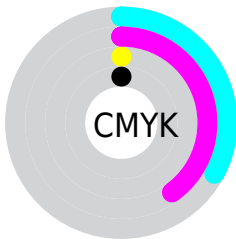
Distribution



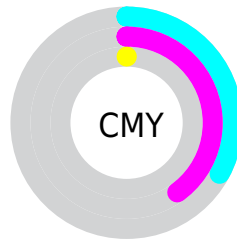
- Red (67%)
- Green (60%)
- Blue (100%)



- Red (67%)
- Yellow (60%)
- Blue (100%)



- Cyan (33%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5485, 0.2498, 0.2093 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 38.5485, 0.2498, 0.2093 by changing the saturation by 10% instead.


 38.5485, 0.2498,
0.2093


 38.5485, 0.2498,
0.2093


339.9671, 0.2821,
0.2652

 26.4087, 0.2418,
0.1967


 72.9481, 0.2615,
0.2286

 17.1296, 0.2316,
0.1814


 95.9766, 0.2660,
0.2362

 10.3270, 0.2184,
0.1625


123.4035, 0.2697,
0.2427

 5.6163, 0.2007,
0.1389

155.6131, 0.2729,
0.2484

 2.6132, 0.1762,
0.1091

192.9899, 0.2757,
0.2534

 0.9333, 0.1415,
0.0722


235.9182, 0.2781,

 0.0000, 0.0901,

0.2578


0.0000

284.7825, 0.2802,
0.2617

 0.0000, 0.0000,
0.0000


 38.5485, 0.2498,
0.2093


 38.5485, 0.2498,
0.2093


 28.8931, 0.2304,
0.1750


 50.3738, 0.2682,
0.2429

 21.2702, 0.2109,
0.1419


 64.4864, 0.2849,
0.2745

 15.5333, 0.1925,
0.1123

 81.0003, 0.2998,
0.3033

 11.5142, 0.1765,
0.0885

99.9999, 0.3127,
0.3290

 9.0139, 0.1643,
0.0722

■ 7.7193, 0.1561,
0.0634

■ 7.7182, 0.1561,
0.0634

Harmonies

Analogous

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



38.5485, 0.1963, 0.2056



38.5485, 0.2498, 0.2093



38.5485, 0.3288, 0.2365

Triad

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



38.5485, 0.2498, 0.2093



38.5485, 0.4737, 0.3998



38.5485, 0.2144, 0.3739

Complementary

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



38.5485, 0.2498, 0.2093



92.0128, 0.3611, 0.4326

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.



38.5485, 0.2805, 0.4561



38.5485, 0.2498, 0.2093



38.5485, 0.4309, 0.4554

Square

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



38.5485, 0.2498, 0.2093



38.5485, 0.4696, 0.3392



38.5485, 0.3598, 0.4843



38.5485, 0.1773, 0.2868

Rectangle

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



38.5485, 0.2498, 0.2093



38.5485, 0.3867, 0.2655



38.5485, 0.3598, 0.4843



38.5485, 0.2337, 0.4046

Sweetspot

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



38.5499, 0.2498, 0.2093



77.4827, 0.2969, 0.2977



76.1403, 0.2547, 0.3115



16.1068, 0.2951, 0.2941



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.



38.5499, 0.2498, 0.2093



30.6480, 0.2343, 0.1818



45.1190, 0.2879, 0.2211



17.5224, 0.3004, 0.3046



4.0751, 0.1571, 0.0639



0.4356, 0.1660, 0.0688

Inverse Universe

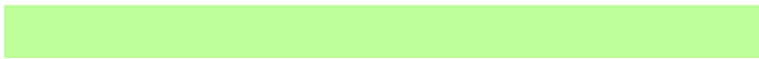
The Inverse Universe completely reimagines the original color for something new.



50.2292, 0.3315, 0.2446



43.9067, 0.3363, 0.2288



84.6028, 0.3282, 0.4448



18.2456, 0.3164, 0.3094



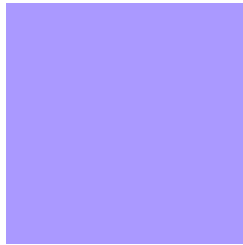
13.6306, 0.3680, 0.1801



1.3403, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 38.5485, 0.2498, 0.2093 looks on a white background.

Color Contrast Check

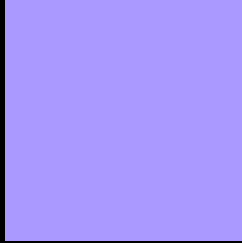
Large Text (above 18pt) WCAG AA × Fail

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 38.5485, 0.2498, 0.2093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

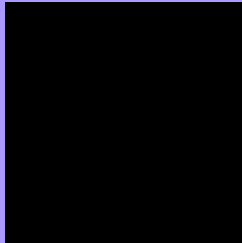
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5485, 0.2498, 0.2093

Background



This preview shows how black text looks on a background with the Yxy color 38.5485, 0.2498, 0.2093.



This preview shows how white text looks on a background with the Yxy color 38.5485, 0.2498, 0.2093.

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

38.5485, 0.2498, 0.2093

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.7363, 0.2262, 0.2201



Tritanopia

38.6234, 0.2891, 0.3105

Trichromacy



Original Color

38.5485, 0.2498, 0.2093

Protanomaly

38.5647, 0.2356, 0.2130

Deuteranomaly

38.3324, 0.2338, 0.2152

Tritanomaly

38.2714, 0.2734, 0.2676

Monochromacy



Original Color

38.5485, 0.2498, 0.2093

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.3140, 0.2877, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5485, 0.2498, 0.2093 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(170, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.5485, 0.2498, 0.2093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

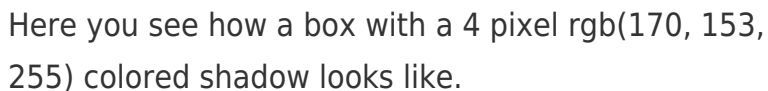
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 153, 255) }
```

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

```
.border{ border-color:rgb(170, 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(170, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 153, 255); box-shadow:4px 4px 4px 4px rgb(170, 153, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5485, 0.2498, 0.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 255) }
```

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

```
.background{ background-color: rgb(170,  
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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