

Converting Colors

$Y_{xy}(39.0541, 0.2539, 0.2049)$

Have a look what the booklet for
Yxy(39.0541, 0.2539, 0.2049)
contains.

Yxy(38.6164, 0.2560, 0.2079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6164, 0.2560, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	B396FF
RGB	179, 150, 255
RGB Percent	70%, 59%, 100%
CMY	0.2980, 0.4118, 0.0000
CMYK	0.30, 0.41, 0.00, 0.00
HSL	257°, 100%, 79%
HSV	257°, 41%, 100%
XYZ	47.5507, 38.6164, 99.5779
YIQ	170.6410, -16.4210, 38.8030

Conversions

Conversions Part 2

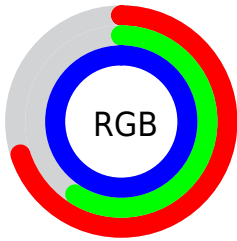
Format	Color
RYB	179, 150, 255
Decimal	11769599
CIELab	68.47, 32.82, -48.49
CIELCh	68, 58.553, 304.092
Yxy	38.6164, 0.2560, 0.2079
Android (android.graphics.Color)	4289959679 (0xFFB396FF)
YUV	170.6410, 41.5890, 7.3308
Hunter-Lab	62.1421, 27.8384, -51.5082

Details

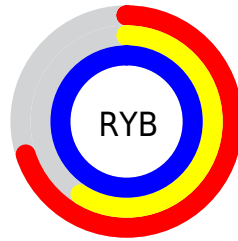
The Yxy color **38.6164, 0.2560, 0.2079** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.8890, 0.3545, 0.4387**, and the grayscale version is **40.3289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4103, 0.3021, 0.2771**, and **17.2119, 0.2388, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **29.2907, 0.2386, 0.1750**, and if you desaturate by 10%, it is **50.0063, 0.2724, 0.2405**.

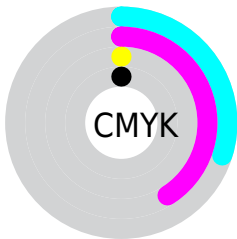
Distribution



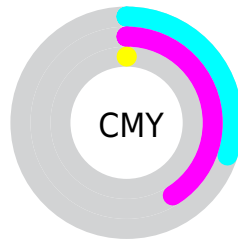
- Red (70%)
- Green (59%)
- Blue (100%)



- Red (70%)
- Yellow (59%)
- Blue (100%)



- Cyan (30%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6164, 0.2560, 0.2079 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 38.6164, 0.2560, 0.2079 by changing the saturation by 10% instead.


 38.6164, 0.2560,
0.2079


 38.6164, 0.2560,
0.2079


340.2568, 0.2854,
0.2642

 26.4614, 0.2486,
0.1953


 73.0519, 0.2668,
0.2273

 17.1692, 0.2392,
0.1800


 96.1013, 0.2708,
0.2349

 10.3552, 0.2269,
0.1612


123.5509, 0.2742,
0.2414

 5.6351, 0.2102,
0.1377

155.7852, 0.2771,
0.2472

 2.6245, 0.1870,
0.1081

193.1886, 0.2796,
0.2522

 0.9390, 0.1536,
0.0717

236.1454, 0.2818,

 0.0000, 0.1062,

0.2566

0.0000

285.0400, 0.2837,
0.2606


 0.0000, 0.0000,
0.0000


 38.6164, 0.2560,
0.2079


 38.6164, 0.2560,
0.2079


 29.2907, 0.2386,
0.1750

 50.0063, 0.2724,
0.2405

 21.9024, 0.2207,
0.1435


 63.5779, 0.2871,
0.2715


 16.3090, 0.2033,
0.1154

 79.4386, 0.3002,
0.3002

 12.3482, 0.1877,
0.0929

 97.6887, 0.3115,
0.3261

 9.8263, 0.1746,
0.0771

 100.0000, 0.3127,
0.3290

■ 8.5389, 0.1658,
0.0687

Harmonies

Analogous

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



38.6164, 0.1976, 0.2009



38.6164, 0.2560, 0.2079



38.6164, 0.3398, 0.2384

Triad

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



38.6164, 0.2560, 0.2079



38.6164, 0.4759, 0.4084



38.6164, 0.2047, 0.3639

Complementary

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



38.6164, 0.2560, 0.2079



89.8890, 0.3545, 0.4387

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.



38.6164, 0.2698, 0.4536



38.6164, 0.2560, 0.2079



38.6164, 0.4266, 0.4647

Square

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



38.6164, 0.2560, 0.2079



38.6164, 0.4787, 0.3461



38.6164, 0.3511, 0.4904



38.6164, 0.1709, 0.2761

Rectangle

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



38.6164, 0.2560, 0.2079



38.6164, 0.3995, 0.2693



38.6164, 0.3511, 0.4904



38.6164, 0.2234, 0.3964

Sweetspot

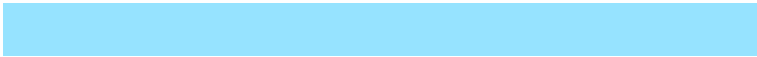
The Sweet Spot groups the original color and five complimentary colors.



38.6161, 0.2560, 0.2079



78.0457, 0.2992, 0.2979



68.6414, 0.2509, 0.2965



16.2384, 0.2975, 0.2943



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.



38.6161, 0.2560, 0.2079



31.1519, 0.2424, 0.1821



45.9373, 0.2970, 0.2210



17.6206, 0.3022, 0.3047



4.5251, 0.1672, 0.0695



0.4922, 0.1786, 0.0757

Inverse Universe

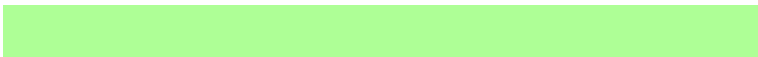
The Inverse Universe completely reimagines the original color for something new.



48.5621, 0.3426, 0.2526



42.4313, 0.3503, 0.2389



82.7778, 0.3209, 0.4515



18.2097, 0.3181, 0.3120



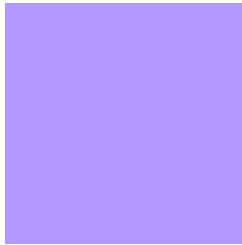
12.9558, 0.4060, 0.2010



1.2800, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 38.6164, 0.2560, 0.2079 looks on a white background.

Color Contrast Check

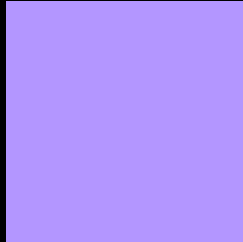
Large Text (above 18pt) WCAG AA × Fail

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 38.6164, 0.2560, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

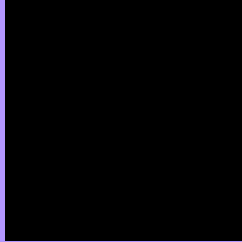
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6164, 0.2560, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 38.6164, 0.2560, 0.2079.



This preview shows how white text looks on a background with the Yxy color 38.6164, 0.2560, 0.2079.

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

38.6164, 0.2560, 0.2079

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.8127, 0.2267, 0.2202



Tritanopia

38.4602, 0.2992, 0.3094

Trichromacy



Original Color

38.6164, 0.2560, 0.2079

Protanomaly

38.5003, 0.2373, 0.2124

Deuteranomaly

38.3445, 0.2360, 0.2147

Tritanomaly

38.0816, 0.2820, 0.2672

Monochromacy



Original Color

38.6164, 0.2560, 0.2079

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.4573, 0.2903, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6164, 0.2560, 0.2079 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(179, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 150, 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(179, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.6164, 0.2560, 0.2079 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(179, 150, 255) }
```

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

```
.border{ border-color:rgb(179, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6164, 0.2560, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 150, 255) }
```

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

```
.background{ background-color: rgb(179,  
150, 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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