

Converting Colors

$Y_{xy}(42.9761, 0.2074, 0.1696)$

Have a look what the booklet for
Yxy(42.9761, 0.2074, 0.1696)
contains.

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Color

Yxy(38.4639, 0.2306, 0.2140)

Conversions

Conversions Part 1

Format	Color
Hex	8AA2FF
RGB	138, 162, 255
RGB Percent	54%, 64%, 100%
CMY	0.4588, 0.3647, 0.0001
CMYK	0.46, 0.36, 0.00, 0.00
HSL	228°, 100%, 77%
HSV	228°, 46%, 100%
XYZ	41.4475, 38.4639, 99.8264
YIQ	165.4260, -44.1570, 23.8350

Conversions

Conversions Part 2

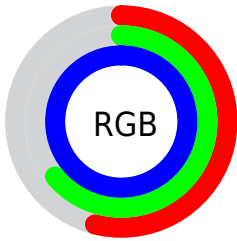
Format	Color
RYB	138, 158, 255
Decimal	9085695
CIELab	68.36, 15.54, -48.84
CIELCh	68, 51.254, 287.644
Yxy	38.4639, 0.2306, 0.2140
Android (android.graphics.Color)	4287275775 (0xFF8AA2FF)
YUV	165.4260, 44.1600, -24.0526
Hunter-Lab	62.0193, 10.7580, -52.0199

Details

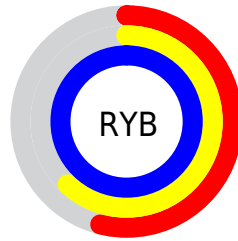
The Yxy color **38.4639, 0.2306, 0.2140** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **80.2234, 0.3911, 0.4217**, and the grayscale version is **37.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5815, 0.2751, 0.2874**, and **17.1516, 0.2084, 0.1863** is the 20% darker color. If you saturate the color by 10%, you get **29.9662, 0.2113, 0.1839**, and if you desaturate by 10%, it is **48.6252, 0.2502, 0.2431**.

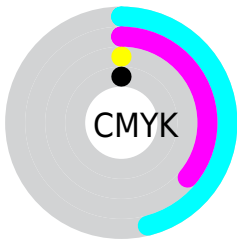
Distribution



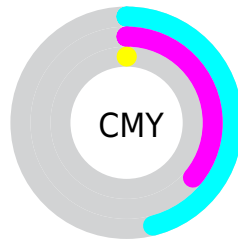
- Red (54%)
- Green (64%)
- Blue (100%)



- Red (54%)
- Yellow (62%)
- Blue (100%)



- Cyan (46%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4639, 0.2306, 0.2140 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 38.4639, 0.2306, 0.2140 by changing the saturation by 10% instead.


 38.4639, 0.2306,
0.2140


 38.4639, 0.2306,
0.2140


339.6058, 0.2716,
0.2687

 26.3429, 0.2207,
0.2015


 72.8186, 0.2453,
0.2331

 17.0804, 0.2084,
0.1862


 95.8212, 0.2509,
0.2405

 10.2918, 0.1925,
0.1671


123.2197, 0.2556,
0.2469

 5.5929, 0.1718,
0.1430

155.3986, 0.2597,
0.2524

 2.5991, 0.1441,
0.1124

192.7422, 0.2633,
0.2572

 0.9262, 0.1069,
0.0743

235.6351, 0.2664,


 0.0000, 0.0367,


0.2615


0.0000


284.4615, 0.2691,
0.2653


 0.0000, 0.0000,
0.0000


 38.4639, 0.2306,
0.2140

 38.4639, 0.2306,
0.2140


 29.9662, 0.2113,
0.1839


 48.6252, 0.2502,
0.2431

 23.0366, 0.1932,
0.1542


 60.5300, 0.2692,
0.2703

 17.5760, 0.1776,
0.1265

 74.2578, 0.2872,
0.2951

 13.4713, 0.1655,
0.1027

 89.8821, 0.3037,
0.3172

 10.5905, 0.1574,
0.0840

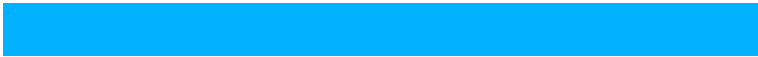
99.9984, 0.3127,
0.3290

■ 9.7043, 0.1550,
0.0780

Harmonies

Analogous

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



38.4639, 0.1922, 0.2216



38.4639, 0.2306, 0.2140



38.4639, 0.2946, 0.2303

Triad

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



38.4639, 0.2306, 0.2140



38.4639, 0.4642, 0.3720



38.4639, 0.2467, 0.4048

Complementary

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



38.4639, 0.2306, 0.2140



80.2234, 0.3911, 0.4217

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.



38.4639, 0.3155, 0.4616



38.4639, 0.2306, 0.2140



38.4639, 0.4429, 0.4262

Square

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



38.4639, 0.2306, 0.2140



38.4639, 0.4386, 0.3161



38.4639, 0.3873, 0.4645



38.4639, 0.1994, 0.3233

Rectangle

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



38.4639, 0.2306, 0.2140



38.4639, 0.3466, 0.2525



38.4639, 0.3873, 0.4645



38.4639, 0.2680, 0.4288

Sweetspot

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



38.4653, 0.2306, 0.2140



77.0612, 0.2904, 0.2995



82.6003, 0.2624, 0.3585



15.8099, 0.2867, 0.2945



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.



38.4653, 0.2306, 0.2140



30.6543, 0.2129, 0.1865



34.0690, 0.2485, 0.1926



17.9815, 0.2979, 0.3095



5.2404, 0.1556, 0.0802



0.6573, 0.1610, 0.0995

Inverse Universe

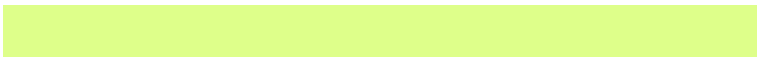
The Inverse Universe completely reimagines the original color for something new.



42.0410, 0.4113, 0.3042



35.4640, 0.4432, 0.3003



88.8427, 0.3579, 0.4516



18.0480, 0.3262, 0.3241



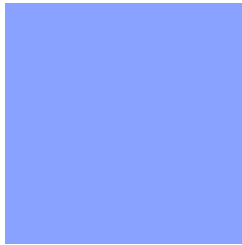
11.2570, 0.6066, 0.3115



1.1109, 0.5766, 0.2950

Previews

White Background



This preview shows how the Yxy color 38.4639, 0.2306, 0.2140 looks on a white background.

Color Contrast Check

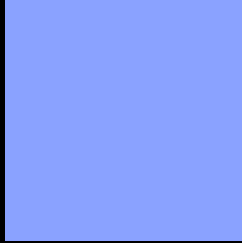
Large Text (above 18pt) WCAG AA × Fail

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 38.4639, 0.2306, 0.2140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

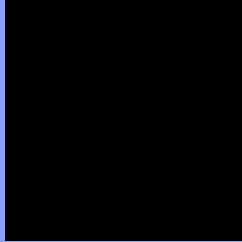
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4639, 0.2306, 0.2140

Background



This preview shows how black text looks on a background with the Yxy color 38.4639, 0.2306, 0.2140.



This preview shows how white text looks on a background with the Yxy color 38.4639, 0.2306, 0.2140.

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

38.4639, 0.2306, 0.2140

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.6391, 0.2237, 0.2177



Tritanopia

38.2996, 0.2580, 0.3065

Trichromacy



Original Color

38.4639, 0.2306, 0.2140

Protanomaly

38.5653, 0.2291, 0.2147

Deuteranomaly

38.6552, 0.2261, 0.2172

Tritanomaly

38.0401, 0.2468, 0.2674

Monochromacy



Original Color

38.4639, 0.2306, 0.2140

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5967, 0.2774, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4639, 0.2306, 0.2140 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(138, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 162, 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(138, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.4639, 0.2306, 0.2140 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(138, 162, 255) }
```

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

```
.border{ border-color:rgb(138, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4639, 0.2306, 0.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 162, 255) }
```

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

```
.background{ background-color: rgb(138,  
162, 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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