

Converting Colors

$Y_{xy}(39.1597, 0.2343, 0.2156)$

Have a look what the booklet for
Yxy(39.1597, 0.2343, 0.2156)
contains.

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Color

Yxy(38.9900, 0.2342, 0.2150)

Conversions

Conversions Part 1

Format	Color
Hex	90A2FF
RGB	144, 162, 255
RGB Percent	56%, 64%, 100%
CMY	0.4352, 0.3647, 0.0000
CMYK	0.44, 0.36, 0.00, 0.00
HSL	230°, 100%, 78%
HSV	230°, 44%, 100%
XYZ	42.4719, 38.9900, 99.8869
YIQ	167.2200, -40.5810, 25.1070

Conversions

Conversions Part 2

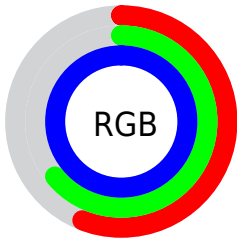
Format	Color
RYB	144, 159, 255
Decimal	9478911
CIELab	68.74, 16.98, -48.22
CIElCh	69, 51.126, 289.401
Yxy	38.9900, 0.2342, 0.2150
Android (android.graphics.Color)	4287668991 (0xFF90A2FF)
YUV	167.2200, 43.2755, -20.3639
Hunter-Lab	62.4420, 12.1390, -51.1354

Details

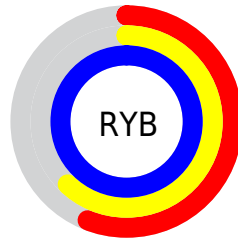
The Yxy color **38.9900, 0.2342, 0.2150** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.8426, 0.3848, 0.4214**, and the grayscale version is **38.5582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4023, 0.2788, 0.2879**, and **17.4723, 0.2129, 0.1878** is the 20% darker color. If you saturate the color by 10%, you get **30.0498, 0.2142, 0.1836**, and if you desaturate by 10%, it is **49.7304, 0.2542, 0.2453**.

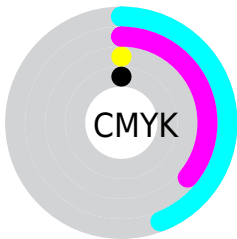
Distribution



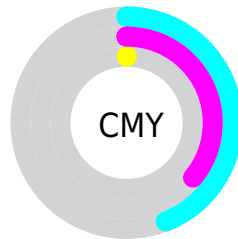
- Red (56%)
- Green (64%)
- Blue (100%)



- Red (56%)
- Yellow (62%)
- Blue (100%)



- Cyan (44%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9900, 0.2342, 0.2150 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 38.9900, 0.2342, 0.2150 by changing the saturation by 10% instead.


 38.9900, 0.2342,
0.2150


 38.9900, 0.2342,
0.2150


341.8480, 0.2735,
0.2691

 26.7519, 0.2247,
0.2027


 73.6230, 0.2483,
0.2338

 17.3870, 0.2128,
0.1875


 96.7868, 0.2536,
0.2412

 10.5108, 0.1976,
0.1687


124.3613, 0.2582,
0.2475

 5.7389, 0.1775,
0.1450

156.7309, 0.2621,
0.2529

 2.6870, 0.1505,
0.1147

194.2799, 0.2655,
0.2577

 0.9706, 0.1138,
0.0769

237.3929, 0.2685,


 0.0000, 0.0494,


0.2620


0.0000

286.4541, 0.2711,
0.2657


 0.0000, 0.0000,
0.0000

 38.9900, 0.2342,
0.2150


 38.9900, 0.2342,
0.2150


 30.0498, 0.2142,
0.1836


 49.7304, 0.2542,
0.2453

 22.8055, 0.1953,
0.1526

 62.3588, 0.2733,
0.2735

 17.1485, 0.1787,
0.1238

 76.9622, 0.2911,
0.2990

 12.9554, 0.1657,
0.0992

 93.6212, 0.3074,
0.3217

 10.0830, 0.1569,
0.0805

99.9994, 0.3127,
0.3290

■ 8.8283, 0.1533,
0.0718

Harmonies

Analogous

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



38.9900, 0.1944, 0.2211



38.9900, 0.2342, 0.2150



38.9900, 0.2991, 0.2325

Triad

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



38.9900, 0.2342, 0.2150



38.9900, 0.4631, 0.3751



38.9900, 0.2437, 0.3998

Complementary

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



38.9900, 0.2342, 0.2150



83.8426, 0.3848, 0.4214

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.



38.9900, 0.3112, 0.4587



38.9900, 0.2342, 0.2150



38.9900, 0.4396, 0.4286

Square

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



38.9900, 0.2342, 0.2150



38.9900, 0.4405, 0.3195



38.9900, 0.3830, 0.4648



38.9900, 0.1982, 0.3189

Rectangle

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



38.9900, 0.2342, 0.2150



38.9900, 0.3510, 0.2553



38.9900, 0.3830, 0.4648



38.9900, 0.2645, 0.4241

Sweetspot

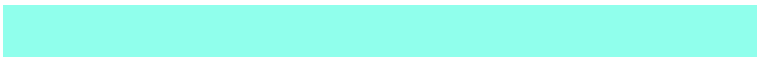
The Sweet Spot groups the original color and five complimentary colors.



38.9914, 0.2342, 0.2150



77.7863, 0.2920, 0.3002



83.5299, 0.2619, 0.3501



15.9172, 0.2882, 0.2949



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.



38.9914, 0.2342, 0.2150



31.3009, 0.2172, 0.1884



36.9947, 0.2568, 0.2018



17.8532, 0.2979, 0.3084



4.7525, 0.1538, 0.0737



0.5916, 0.1586, 0.0911

Inverse Universe

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



43.8178, 0.4090, 0.3104



37.2878, 0.4392, 0.3074



88.4337, 0.3522, 0.4468



18.0351, 0.3269, 0.3252



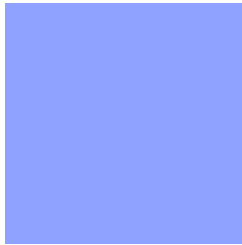
11.2077, 0.6172, 0.3174



1.1043, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 38.9900, 0.2342, 0.2150 looks on a white background.

Color Contrast Check

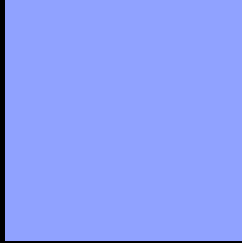
Large Text (above 18pt) WCAG AA × Fail

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 38.9900, 0.2342, 0.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

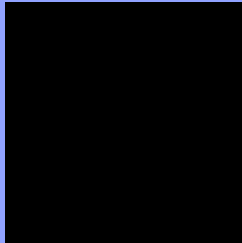
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9900, 0.2342, 0.2150

Background



This preview shows how black text looks on a background with the Yxy color 38.9900, 0.2342, 0.2150.



This preview shows how white text looks on a background with the Yxy color 38.9900, 0.2342, 0.2150.

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

38.9900, 0.2342, 0.2150

Protanopia

38.9218, 0.2293, 0.2160

Deuteranopia

39.2288, 0.2255, 0.2195



Tritanopia

38.8133, 0.2627, 0.3068

Trichromacy



Original Color

38.9900, 0.2342, 0.2150

Protanomaly

38.8177, 0.2308, 0.2152

Deuteranomaly

39.0526, 0.2289, 0.2179

Tritanomaly

38.5910, 0.2514, 0.2681

Monochromacy



Original Color

38.9900, 0.2342, 0.2150

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.4047, 0.2801, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9900, 0.2342, 0.2150 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(144, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.9900, 0.2342, 0.2150 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(144, 162, 255) }
```

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

```
.border{ border-color:rgb(144, 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(144, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9900, 0.2342, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 255) }
```

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

```
.background{ background-color: rgb(144,  
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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