

Converting Colors

$Y_{xy}(42.1292, 0.2147, 0.1744)$

Have a look what the booklet for
Yxy(42.1292, 0.2147, 0.1744)
contains.

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Color

Yxy(38.3122, 0.2361, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	949FFF
RGB	148, 159, 255
RGB Percent	58%, 62%, 100%
CMY	0.4193, 0.3765, 0.0001
CMYK	0.42, 0.38, 0.00, 0.00
HSL	234°, 100%, 79%
HSV	234°, 42%, 100%
XYZ	42.6675, 38.3122, 99.7382
YIQ	166.6550, -37.3720, 27.5240

Conversions

Conversions Part 2

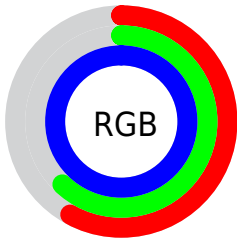
Format	Color
RYB	148, 158, 255
Decimal	9740287
CIELab	68.25, 19.70, -48.98
CIELCh	68, 52.790, 291.909
Yxy	38.3122, 0.2361, 0.2120
Android (android.graphics.Color)	4287930367 (0xFF949FFF)
YUV	166.6550, 43.5541, -16.3604
Hunter-Lab	61.8968, 14.7263, -52.2098

Details

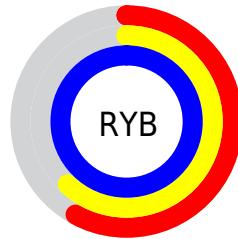
The Yxy color **38.3122, 0.2361, 0.2120** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.1382, 0.3796, 0.4238**, and the grayscale version is **38.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4349, 0.2812, 0.2849**, and **17.0265, 0.2147, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **29.0330, 0.2154, 0.1788**, and if you desaturate by 10%, it is **49.5761, 0.2566, 0.2441**.

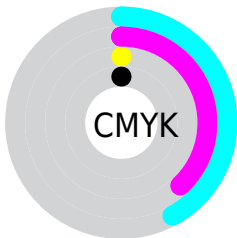
Distribution



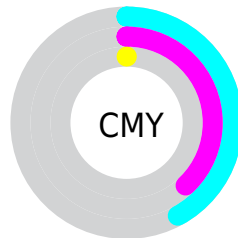
- Red (58%)
- Green (62%)
- Blue (100%)



- Red (58%)
- Yellow (62%)
- Blue (100%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3122, 0.2361, 0.2120 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 38.3122, 0.2361, 0.2120 by changing the saturation by 10% instead.


 38.3122, 0.2361,
0.2120


 38.3122, 0.2361,
0.2120


338.9573, 0.2747,
0.2674

 26.2251, 0.2267,
0.1994


 72.5864, 0.2500,
0.2312

 16.9921, 0.2150,
0.1840


 95.5423, 0.2552,
0.2387

 10.2289, 0.1998,
0.1649


122.8899, 0.2597,
0.2452

 5.5510, 0.1799,
0.1409

155.0136, 0.2635,
0.2508

 2.5740, 0.1529,
0.1105

192.2978, 0.2669,
0.2557

 0.9136, 0.1161,
0.0728

235.1269, 0.2698,


 0.0000, 0.0520,


0.2600


0.0000


283.8853, 0.2724,
0.2639


 0.0000, 0.0000,
0.0000


 38.3122, 0.2361,
0.2120


 38.3122, 0.2361,
0.2120


 29.0330, 0.2154,
0.1788

 49.5761, 0.2566,
0.2441


 21.6190, 0.1957,
0.1463


 62.9265, 0.2760,
0.2739

 15.9441, 0.1783,
0.1166

 78.4634, 0.2938,
0.3009

 11.8647, 0.1646,
0.0921

 96.2788, 0.3098,
0.3247

 9.2137, 0.1556,
0.0744

99.9989, 0.3127,
0.3290

■ 7.9592, 0.1515,
0.0655

Harmonies

Analogous

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



38.3122, 0.1929, 0.2159



38.3122, 0.2361, 0.2120



38.3122, 0.3050, 0.2319

Triad

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



38.3122, 0.2361, 0.2120



38.3122, 0.4683, 0.3808



38.3122, 0.2360, 0.3958

Complementary

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



38.3122, 0.2361, 0.2120



88.1382, 0.3796, 0.4238

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.



38.3122, 0.3044, 0.4611



38.3122, 0.2361, 0.2120



38.3122, 0.4400, 0.4356

Square

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



38.3122, 0.2361, 0.2120



38.3122, 0.4492, 0.3234



38.3122, 0.3791, 0.4715



38.3122, 0.1917, 0.3115

Rectangle

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



38.3122, 0.2361, 0.2120



38.3122, 0.3592, 0.2563



38.3122, 0.3791, 0.4715



38.3122, 0.2569, 0.4222

Sweetspot

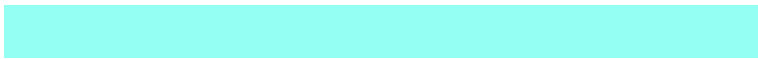
The Sweet Spot groups the original color and five complimentary colors.



38.3136, 0.2361, 0.2120



76.7034, 0.2920, 0.2981



84.2527, 0.2609, 0.3430



15.6537, 0.2881, 0.2924



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.



38.3136, 0.2361, 0.2120



30.6786, 0.2194, 0.1852



39.2469, 0.2635, 0.2083



17.6760, 0.2979, 0.3070



4.2564, 0.1519, 0.0668



0.5086, 0.1556, 0.0800

Inverse Universe

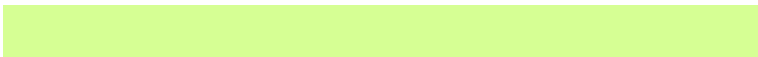
The Inverse Universe completely reimagines the original color for something new.



44.9618, 0.4106, 0.3178



38.4770, 0.4408, 0.3160



87.9452, 0.3474, 0.4438



18.0172, 0.3278, 0.3266



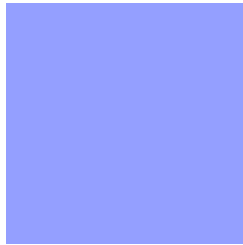
11.1576, 0.6285, 0.3236



1.0959, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 38.3122, 0.2361, 0.2120 looks on a white background.

Color Contrast Check

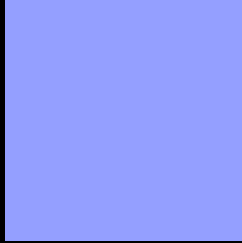
Large Text (above 18pt) WCAG AA × Fail

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 38.3122, 0.2361, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

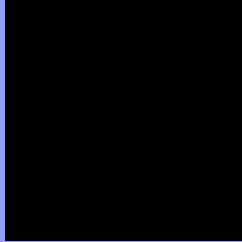
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3122, 0.2361, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 38.3122, 0.2361, 0.2120.



This preview shows how white text looks on a background with the Yxy color 38.3122, 0.2361, 0.2120.

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

38.3122, 0.2361, 0.2120

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.6391, 0.2237, 0.2177



Tritanopia

38.3003, 0.2678, 0.3083

Trichromacy



Original Color

38.3122, 0.2361, 0.2120

Protanomaly

38.4639, 0.2306, 0.2140

Deuteranomaly

38.2557, 0.2278, 0.2152

Tritanomaly

38.0771, 0.2549, 0.2681

Monochromacy



Original Color

38.3122, 0.2361, 0.2120

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.1480, 0.2808, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3122, 0.2361, 0.2120 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(148, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 159, 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(148, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.3122, 0.2361, 0.2120 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(148, 159, 255) }
```

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

```
.border{ border-color:rgb(148, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3122, 0.2361, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 159, 255) }
```

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

```
.background{ background-color: rgb(148,  
159, 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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