

Converting Colors

Yxy(42.6585, 0.2018, 0.1687)

Have a look what the booklet for
Yxy(42.6585, 0.2018, 0.1687)
contains.

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Color

Yxy(38.1309, 0.2238, 0.2145)

Conversions

Conversions Part 1

Format	Color
Hex	7DA4FF
RGB	125, 164, 255
RGB Percent	49%, 64%, 100%
CMY	0.5096, 0.3569, 0.0001
CMYK	0.51, 0.36, 0.00, 0.00
HSL	222°, 100%, 75%
HSV	222°, 51%, 100%
XYZ	39.7841, 38.1309, 99.8514
YIQ	162.7130, -52.4550, 20.0330

Conversions

Conversions Part 2

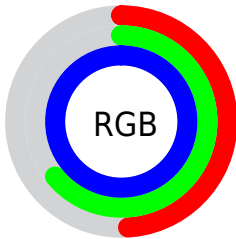
Format	Color
RYB	125, 155, 255
Decimal	8234239
CIELab	68.12, 11.45, -49.28
CIElCh	68, 50.592, 283.076
Yxy	38.1309, 0.2238, 0.2145
Android (android.graphics.Color)	4286424319 (0xFF7DA4FF)
YUV	162.7130, 45.4975, -33.0743
Hunter-Lab	61.7502, 6.9402, -52.6480

Details

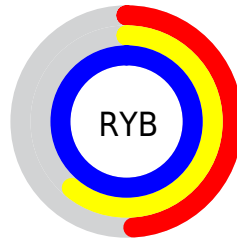
The Yxy color **38.1309, 0.2238, 0.2145** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.8617, 0.4065, 0.4203**, and the grayscale version is **36.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0734, 0.2680, 0.2889**, and **16.9775, 0.2003, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **30.5045, 0.2061, 0.1874**, and if you desaturate by 10%, it is **47.1495, 0.2422, 0.2409**.

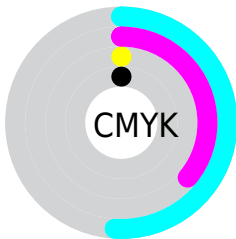
Distribution



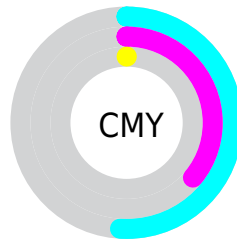
- Red (49%)
- Green (64%)
- Blue (100%)



- Red (49%)
- Yellow (61%)
- Blue (100%)



- Cyan (51%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1309, 0.2238, 0.2145 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 38.1309, 0.2238, 0.2145 by changing the saturation by 10% instead.

 38.1309, 0.2238,
0.2145


 38.1309, 0.2238,
0.2145


338.1812, 0.2679,
0.2694

 26.0843, 0.2133,
0.2019


 72.3087, 0.2395,
0.2337

 16.8867, 0.2001,
0.1864

 95.2087, 0.2455,
0.2411

 10.1538, 0.1834,
0.1671


 122.4954, 0.2507,
0.2475

 5.5010, 0.1617,
0.1428

154.5530, 0.2551,
0.2530

 2.5441, 0.1330,
0.1118

191.7659, 0.2589,
0.2579

 0.8987, 0.0952,
0.0732

234.5187, 0.2623,


 0.0000, 0.0147,


0.2622

0.0000


283.1957, 0.2653,
0.2660


 0.0000, 0.0000,
0.0000

 38.1309, 0.2238,
0.2145


 38.1309, 0.2238,
0.2145


 30.5045, 0.2061,
0.1874


 47.1495, 0.2422,
0.2409

 24.1908, 0.1902,
0.1607


 57.6257, 0.2607,
0.2657

 19.1069, 0.1767,
0.1355

 69.6253, 0.2786,
0.2885

 15.1572, 0.1665,
0.1133

 83.2086, 0.2955,
0.3091

 12.4485, 0.1602,
0.0965

 98.4327, 0.3113,
0.3274

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



38.1309, 0.1898, 0.2261



38.1309, 0.2238, 0.2145



38.1309, 0.2838, 0.2273

Triad

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



38.1309, 0.2238, 0.2145



38.1309, 0.4619, 0.3632



38.1309, 0.2568, 0.4153

Complementary

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



38.1309, 0.2238, 0.2145



71.8617, 0.4065, 0.4203

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.



38.1309, 0.3267, 0.4642



38.1309, 0.2238, 0.2145



38.1309, 0.4476, 0.4179

Square

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



38.1309, 0.2238, 0.2145



38.1309, 0.4294, 0.3083



38.1309, 0.3966, 0.4594



38.1309, 0.2057, 0.3355

Rectangle

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



38.1309, 0.2238, 0.2145



38.1309, 0.3343, 0.2474



38.1309, 0.3966, 0.4594



38.1309, 0.2788, 0.4370

Sweetspot

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



38.1322, 0.2238, 0.2145



77.5398, 0.2888, 0.3010



80.8269, 0.2633, 0.3759



15.9845, 0.2852, 0.2967



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.



38.1322, 0.2238, 0.2145



30.4816, 0.2061, 0.1873



28.4794, 0.2316, 0.1729



18.2654, 0.2979, 0.3119



6.7322, 0.1609, 0.0993



0.8369, 0.1670, 0.1212

Inverse Universe

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



38.6146, 0.4139, 0.2891



32.3471, 0.4465, 0.2836



89.6442, 0.3693, 0.4613



18.0767, 0.3247, 0.3219



11.4076, 0.5769, 0.2952



1.1290, 0.5449, 0.2775

Previews

White Background



This preview shows how the Yxy color 38.1309, 0.2238, 0.2145 looks on a white background.

Color Contrast Check

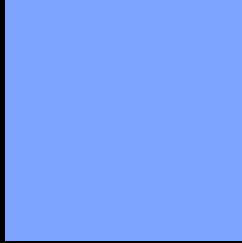
Large Text (above 18pt) WCAG AA × Fail

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 38.1309, 0.2238, 0.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

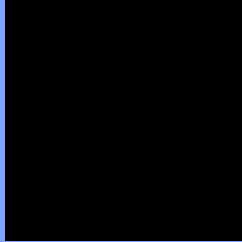
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

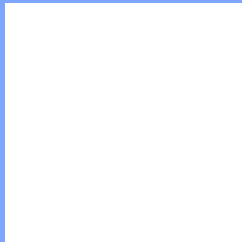
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1309, 0.2238, 0.2145

Background



This preview shows how black text looks on a background with the Yxy color 38.1309, 0.2238, 0.2145.



This preview shows how white text looks on a background with the Yxy color 38.1309, 0.2238, 0.2145.

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

38.1309, 0.2238, 0.2145

Protanopia

37.9830, 0.2282, 0.2141

Deuteranopia

38.1233, 0.2214, 0.2151



Tritanopia

38.1489, 0.2486, 0.3076

Trichromacy



Original Color

38.1309, 0.2238, 0.2145

Protanomaly

38.0960, 0.2267, 0.2149

Deuteranomaly

38.2678, 0.2224, 0.2153

Tritanomaly

37.8048, 0.2389, 0.2690

Monochromacy



Original Color

38.1309, 0.2238, 0.2145

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5695, 0.2739, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1309, 0.2238, 0.2145 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(125, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 164, 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(125, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1309, 0.2238, 0.2145 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(125, 164, 255) }
```

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

```
.border{ border-color:rgb(125, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 164, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 164, 255); box-shadow:4px 4px 4px 4px rgb(125, 164, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1309, 0.2238, 0.2145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 164, 255) }
```

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

```
.background{ background-color: rgb(125,  
164, 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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