

Converting Colors

$Yxy(38.3942, 0.2224, 0.2097)$

Have a look what the booklet for
Yxy(38.3942, 0.2224, 0.2097)
contains.

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Color

Yxy(38.2829, 0.2248, 0.2148)

Conversions

Conversions Part 1

Format	Color
Hex	7FA4FF
RGB	127, 164, 255
RGB Percent	50%, 64%, 100%
CMY	0.5023, 0.3568, 0.0000
CMYK	0.50, 0.36, 0.00, 0.00
HSL	223°, 100%, 75%
HSV	223°, 50%, 100%
XYZ	40.0652, 38.2829, 99.8777
YIQ	163.3110, -51.2630, 20.4570

Conversions

Conversions Part 2

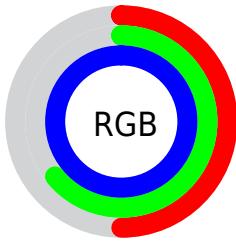
Format	Color
RYB	127, 156, 255
Decimal	8365311
CIELab	68.23, 11.84, -49.11
CIElCh	68, 50.513, 283.560
Yxy	38.2829, 0.2248, 0.2148
Android (android.graphics.Color)	4286555391 (0xFF7FA4FF)
YUV	163.3110, 45.2027, -31.8447
Hunter-Lab	61.8732, 7.3073, -52.3967

Details

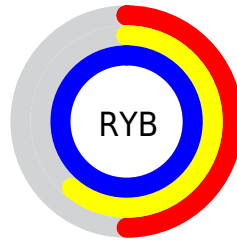
The Yxy color **38.2829, 0.2248, 0.2148** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.8623, 0.4043, 0.4203**, and the grayscale version is **36.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3221, 0.2692, 0.2890**, and **17.0457, 0.2013, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **30.5418, 0.2069, 0.1874**, and if you desaturate by 10%, it is **47.4448, 0.2434, 0.2414**.

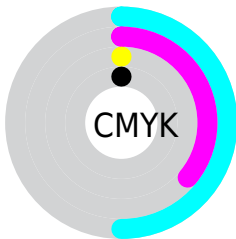
Distribution



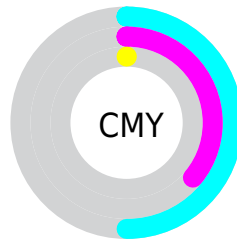
- Red (50%)
- Green (64%)
- Blue (100%)



- Red (50%)
- Yellow (61%)
- Blue (100%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2829, 0.2248, 0.2148 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 38.2829, 0.2248, 0.2148 by changing the saturation by 10% instead.


 38.2829, 0.2248,
0.2148


 38.2829, 0.2248,
0.2148


338.8320, 0.2684,
0.2695


 26.2023, 0.2144,
0.2022


 72.5415, 0.2404,
0.2339

 16.9751, 0.2014,
0.1868


 95.4884, 0.2463,
0.2413

 10.2167, 0.1848,
0.1676


 122.8262, 0.2514,
0.2477

 5.5429, 0.1632,
0.1433

154.9392, 0.2557,
0.2532

 2.5692, 0.1347,
0.1124

192.2119, 0.2595,
0.2580

 0.9112, 0.0970,
0.0739

235.0287, 0.2629,


 0.0000, 0.0186,


0.2623


0.0000

283.7739, 0.2658,
0.2661


 0.0000, 0.0000,
0.0000

 38.2829, 0.2248,
0.2148


 38.2829, 0.2248,
0.2148


 30.5418, 0.2069,
0.1874


 47.4448, 0.2434,
0.2414


 24.1405, 0.1907,
0.1603


 58.0942, 0.2619,
0.2665

 18.9951, 0.1769,
0.1348

 70.2979, 0.2798,
0.2895

 15.0086, 0.1665,
0.1124

 84.1176, 0.2967,
0.3102

 12.1043, 0.1595,
0.0942

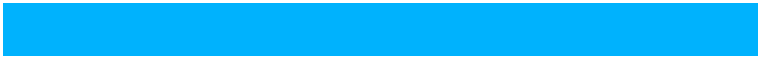
99.6113, 0.3124,
0.3286

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



38.2829, 0.1904, 0.2260



38.2829, 0.2248, 0.2148



38.2829, 0.2851, 0.2279

Triad

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



38.2829, 0.2248, 0.2148



38.2829, 0.4617, 0.3641



38.2829, 0.2560, 0.4138

Complementary

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



38.2829, 0.2248, 0.2148



72.8623, 0.4043, 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.



38.2829, 0.3255, 0.4634



38.2829, 0.2248, 0.2148



38.2829, 0.4466, 0.4185

Square

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



38.2829, 0.2248, 0.2148



38.2829, 0.4300, 0.3092



38.2829, 0.3954, 0.4595



38.2829, 0.2054, 0.3342

Rectangle

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



38.2829, 0.2248, 0.2148



38.2829, 0.3355, 0.2482



38.2829, 0.3954, 0.4595



38.2829, 0.2779, 0.4358

Sweetspot

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



38.2842, 0.2248, 0.2148



77.3300, 0.2888, 0.3006



81.0064, 0.2638, 0.3751



15.9344, 0.2852, 0.2962



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.



38.2842, 0.2248, 0.2148



30.7088, 0.2073, 0.1880



29.0985, 0.2330, 0.1753



18.2353, 0.2979, 0.3116



6.5460, 0.1603, 0.0970



0.8156, 0.1663, 0.1187

Inverse Universe

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



39.0931, 0.4132, 0.2909



32.8488, 0.4452, 0.2856



89.7641, 0.3686, 0.4595



18.0737, 0.3248, 0.3221



11.3888, 0.5804, 0.2971



1.1269, 0.5484, 0.2795

Previews

White Background



This preview shows how the Yxy color 38.2829, 0.2248, 0.2148 looks on a white background.

Color Contrast Check

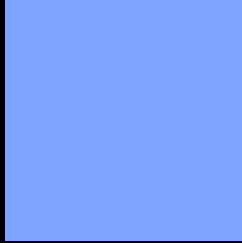
Large Text (above 18pt) WCAG AA × Fail

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 38.2829, 0.2248, 0.2148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

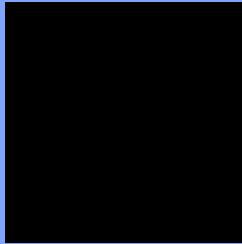
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

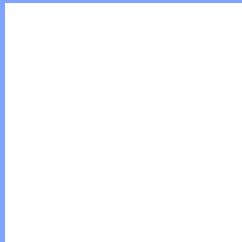
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2829, 0.2248, 0.2148

Background



This preview shows how black text looks on a background with the Yxy color 38.2829, 0.2248, 0.2148.



This preview shows how white text looks on a background with the Yxy color 38.2829, 0.2248, 0.2148.

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

38.2829, 0.2248, 0.2148

Protanopia

38.3367, 0.2284, 0.2154

Deuteranopia

38.1952, 0.2219, 0.2152



Tritanopia

38.2700, 0.2498, 0.3077

Trichromacy



Original Color

38.2829, 0.2248, 0.2148

Protanomaly

38.1754, 0.2273, 0.2150

Deuteranomaly

38.3412, 0.2230, 0.2155

Tritanomaly

37.9375, 0.2401, 0.2692

Monochromacy



Original Color

38.2829, 0.2248, 0.2148

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6639, 0.2747, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2829, 0.2248, 0.2148 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(127, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.2829, 0.2248, 0.2148 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(127, 164, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2829, 0.2248, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 164, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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