

Converting Colors

$Y_{xy}(38.2959, 0.2258, 0.2159)$

Have a look what the booklet for
Yxy(38.2959, 0.2258, 0.2159)
contains.

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Color

Yxy(38.2959, 0.2258, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	80A4FE
RGB	128, 164, 254
RGB Percent	50%, 64%, 100%
CMY	0.4985, 0.3567, 0.0040
CMYK	0.50, 0.35, 0.00, 0.00
HSL	223°, 98%, 75%
HSV	223°, 50%, 100%
XYZ	40.0519, 38.2959, 99.0301
YIQ	163.4960, -50.3460, 20.3580

Conversions

Conversions Part 2

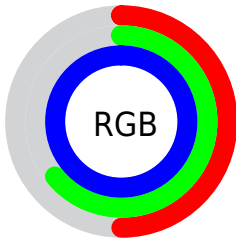
Format	Color
R _Y B	128, 156, 254
Decimal	8430846
CIE Lab	68.24, 11.76, -48.54
CIE LCh	68, 49.942, 283.621
Yxy	38.2959, 0.2258, 0.2159
Android (android.graphics.Color)	4286620926 (0xFF80A4FE)
YUV	163.4960, 44.6185, -31.1300
Hunter-Lab	61.8837, 7.2311, -51.5610

Details

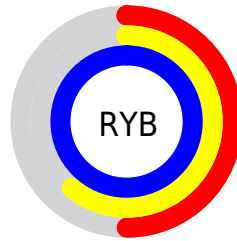
The Yxy color **38.2959, 0.2258, 0.2159** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.6854, 0.4029, 0.4196**, and the grayscale version is **36.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3221, 0.2692, 0.2890**, and **17.0704, 0.2028, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **30.5388, 0.2078, 0.1884**, and if you desaturate by 10%, it is **47.4724, 0.2444, 0.2426**.

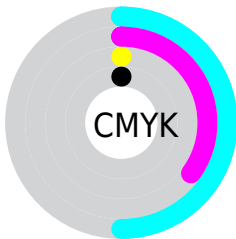
Distribution



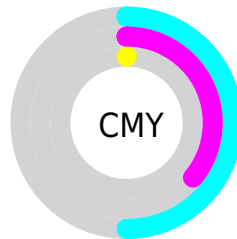
- Red (50%)
- Green (64%)
- Blue (100%)



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



- Cyan (50%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2959, 0.2258, 0.2159 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 38.2959, 0.2258, 0.2159 by changing the saturation by 10% instead.


 38.2959, 0.2258,
0.2159


 38.2959, 0.2258,
0.2159


338.8876, 0.2690,
0.2701


 26.2124, 0.2155,
0.2034


 72.5614, 0.2412,
0.2349

 16.9826, 0.2026,
0.1881


 95.5123, 0.2471,
0.2422

 10.2221, 0.1861,
0.1690


 122.8544, 0.2521,
0.2485

 5.5465, 0.1646,
0.1448

154.9722, 0.2564,
0.2540

 2.5713, 0.1362,
0.1138

192.2500, 0.2602,
0.2588

 0.9123, 0.0984,
0.0752

235.0722, 0.2635,

 0.0000, 0.0188,

0.2630

0.0000

283.8233, 0.2664,
0.2668

0.0000, 0.0000,
0.0000

38.2959, 0.2258,
0.2159

38.2959, 0.2258,
0.2159

30.5388, 0.2078,
0.1884

47.4724, 0.2444,
0.2426

24.1205, 0.1914,
0.1612

58.1344, 0.2630,
0.2676

18.9581, 0.1775,
0.1355

70.3484, 0.2808,
0.2906

14.9554, 0.1668,
0.1128

84.1757, 0.2977,
0.3113

11.9828, 0.1596,
0.0941

99.6741, 0.3132,
0.3296

■ 11.8921, 0.1593,
0.0935

99.9345, 0.3133,
0.3300

Harmonies

Analogous

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



38.2959, 0.1916, 0.2270



38.2959, 0.2258, 0.2159



38.2959, 0.2856, 0.2289

Triad

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



38.2959, 0.2258, 0.2159



38.2959, 0.4600, 0.3641



38.2959, 0.2565, 0.4126

Complementary

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



38.2959, 0.2258, 0.2159



72.6854, 0.4029, 0.4196

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.



38.2959, 0.3254, 0.4617



38.2959, 0.2258, 0.2159



38.2959, 0.4452, 0.4179

Square

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



38.2959, 0.2258, 0.2159



38.2959, 0.4287, 0.3096



38.2959, 0.3945, 0.4582



38.2959, 0.2065, 0.3341

Rectangle

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



38.2959, 0.2258, 0.2159



38.2959, 0.3355, 0.2491



38.2959, 0.3945, 0.4582



38.2959, 0.2782, 0.4343

Sweetspot

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



38.2973, 0.2258, 0.2159



77.2621, 0.2888, 0.3005



80.4184, 0.2642, 0.3745



15.9182, 0.2852, 0.2961



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.



38.2973, 0.2258, 0.2159



30.5561, 0.2072, 0.1874



29.3484, 0.2342, 0.1774



18.2255, 0.2979, 0.3115



6.4871, 0.1601, 0.0963



0.8088, 0.1661, 0.1179

Inverse Universe

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



39.1594, 0.4118, 0.2918



32.8334, 0.4458, 0.2861



89.0465, 0.3681, 0.4580



18.0727, 0.3249, 0.3222



11.3828, 0.5815, 0.2977



1.1262, 0.5496, 0.2801

Previews

White Background



This preview shows how the Yxy color 38.2959, 0.2258, 0.2159 looks on a white background.

Color Contrast Check

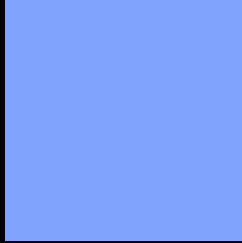
Large Text (above 18pt) WCAG AA × Fail

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 38.2959, 0.2258, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

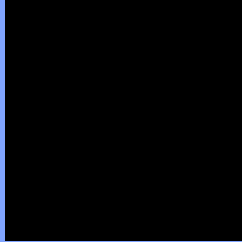
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

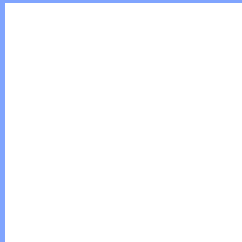
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2959, 0.2258, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 38.2959, 0.2258, 0.2159.



This preview shows how white text looks on a background with the Yxy color 38.2959, 0.2258, 0.2159.

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

38.2959, 0.2258, 0.2159

Protanopia

38.3546, 0.2294, 0.2164

Deuteranopia

38.2036, 0.2229, 0.2163



Tritanopia

38.3940, 0.2510, 0.3078

Trichromacy



Original Color

38.2959, 0.2258, 0.2159

Protanomaly

38.1918, 0.2283, 0.2161

Deuteranomaly

38.3511, 0.2239, 0.2166

Tritanomaly

38.0049, 0.2406, 0.2693

Monochromacy



Original Color

38.2959, 0.2258, 0.2159

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 38.2959, 0.2258, 0.2159 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(128, 164, 254)` looks like.

```
.text, #text, p{  
    color:rgb(128, 164, 254)  
}
```

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(128, 164, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 164, 254) }
```

Border

The CSS property to change the border of an element to Yxy 38.2959, 0.2258, 0.2159 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(128, 164, 254) }
```

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

```
.border{ border-color:rgb(128, 164, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 164, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 164, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 164, 254);  
box-shadow:4px 4px 4px 4px rgb(128, 164,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2959, 0.2258, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 164, 254) }
```

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

```
.background{ background-color: rgb(128,  
164, 254) }
```

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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