

Converting Colors

$Y_{xy}(37.8750, 0.2183, 0.2221)$

Have a look what the booklet for
Yxy(37.8750, 0.2183, 0.2221)
contains.

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Color

Yxy(38.0332, 0.2180, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	6BA8FA
RGB	107, 168, 250
RGB Percent	42%, 66%, 98%
CMY	0.5807, 0.3411, 0.0196
CMYK	0.57, 0.33, 0.00, 0.02
HSL	214°, 93%, 70%
HSV	214°, 57%, 98%
XYZ	37.3143, 38.0332, 95.8190
YIQ	159.1090, -62.6780, 12.5700

Conversions

Conversions Part 2

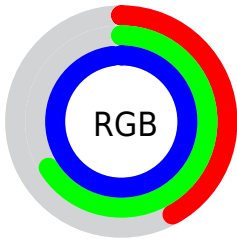
Format	Color
R_{YB}	107, 150, 250
Decimal	7055610
CIE Lab	68.05, 3.85, -46.75
CIE LCh	68, 46.911, 274.708
Yxy	38.0332, 0.2180, 0.2222
Android (android.graphics.Color)	4285245690 (0xFF6BA8FA)
YUV	159.1090, 44.8093, -45.6996
Hunter-Lab	61.6711, 0.0777, -48.9498

Details

The Yxy color **38.0332, 0.2180, 0.2222** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **57.7420, 0.4308, 0.4129**, and the grayscale version is **34.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2108, 0.2589, 0.2925**, and **16.7344, 0.1930, 0.1942** is the 20% darker color. If you saturate the color by 10%, you get **31.7017, 0.2030, 0.1996**, and if you desaturate by 10%, it is **45.3978, 0.2343, 0.2442**.

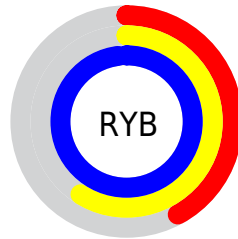
Distribution



Red (42%)

Green (66%)

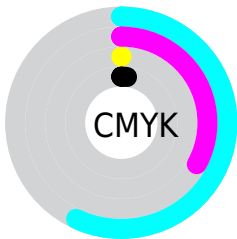
Blue (98%)



Red (42%)

Yellow (59%)

Blue (98%)

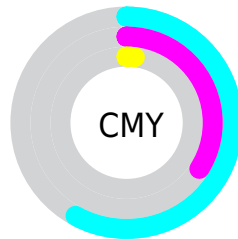


Cyan (57%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (58%)


Magenta (34%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0332, 0.2180, 0.2222 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 38.0332, 0.2180, 0.2222 by changing the saturation by 10% instead.


 38.0332, 0.2180,
0.2222


 38.0332, 0.2180,
0.2222


337.7624, 0.2647,
0.2742


 26.0085, 0.2069,
0.2100


 72.1590, 0.2346,
0.2406

 16.8300, 0.1931,
0.1949


 95.0289, 0.2410,
0.2477

 10.1133, 0.1756,
0.1759


 122.2826, 0.2464,
0.2537

 5.4742, 0.1529,
0.1515

154.3045, 0.2511,
0.2589

 2.5281, 0.1232,
0.1199

191.4791, 0.2551,
0.2635

 0.8906, 0.0845,
0.0797

234.1906, 0.2587,

 0.0000, 0.0000,

0.2675

0.0000

282.8236, 0.2619,
0.2711

■ 38.0332, 0.2180,
0.2222

■ 38.0332, 0.2180,
0.2222

■ 31.7017, 0.2030,
0.1996

■ 45.3978, 0.2343,
0.2442

■ 26.3408, 0.1899,
0.1773

■ 53.8445, 0.2514,
0.2652

■ 21.8851, 0.1794,
0.1559

■ 63.4235, 0.2685,
0.2847

■ 18.2532, 0.1716,
0.1362

■ 74.1801, 0.2854,
0.3025

■ 17.3647, 0.1698,
0.1311

■ 86.1570, 0.3015,
0.3185

99.0273, 0.3157,
0.3328

99.6823, 0.3156,
0.3338

Harmonies

Analogous

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



38.0332, 0.1929, 0.2408



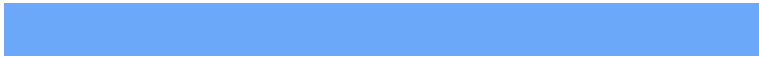
38.0332, 0.2180, 0.2222



38.0332, 0.2682, 0.2280

Triad

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



38.0332, 0.2180, 0.2222



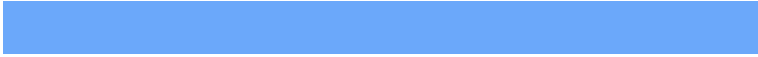
38.0332, 0.4473, 0.3474



38.0332, 0.2783, 0.4254

Complementary

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



38.0332, 0.2180, 0.2222



57.7420, 0.4308, 0.4129

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.



38.0332, 0.3456, 0.4575



38.0332, 0.2180, 0.2222



38.0332, 0.4464, 0.3996

Square

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



38.0332, 0.2180, 0.2222



38.0332, 0.4057, 0.2965



38.0332, 0.4075, 0.4427



38.0332, 0.2238, 0.3564

Rectangle

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



38.0332, 0.2180, 0.2222



38.0332, 0.3129, 0.2435



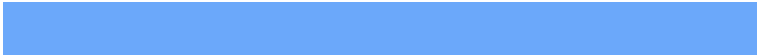
38.0332, 0.4075, 0.4427



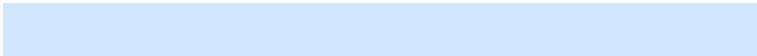
38.0332, 0.3002, 0.4415

Sweetspot

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



38.0345, 0.2180, 0.2222



77.8475, 0.2857, 0.3028



75.1254, 0.2681, 0.4085



16.1554, 0.2824, 0.2994



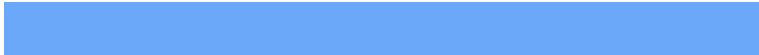
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0345, 0.2180, 0.2222



32.0539, 0.2004, 0.1955



21.1468, 0.2069, 0.1470



17.8615, 0.2979, 0.3150



9.4823, 0.1706, 0.1341



1.0837, 0.1770, 0.1572

Inverse Universe

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



33.6520, 0.4100, 0.2666



29.1982, 0.4425, 0.2590



88.0400, 0.3879, 0.4683



17.3482, 0.3227, 0.3189



11.3681, 0.5271, 0.2677



1.0736, 0.4966, 0.2509

Previews

White Background



This preview shows how the Yxy color 38.0332, 0.2180, 0.2222 looks on a white background.

Color Contrast Check

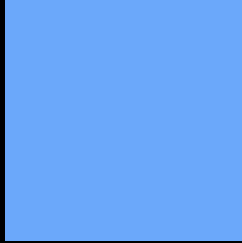
Large Text (above 18pt) WCAG AA × Fail

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 38.0332, 0.2180, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

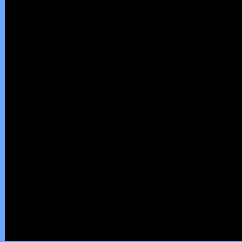
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

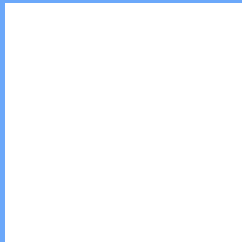
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0332, 0.2180, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 38.0332, 0.2180, 0.2222.



This preview shows how white text looks on a background with the Yxy color 38.0332, 0.2180, 0.2222.

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

38.0332, 0.2180, 0.2222

Protanopia

37.7516, 0.2350, 0.2233

Deuteranopia

37.8010, 0.2250, 0.2181



Tritanopia

38.0201, 0.2373, 0.3057

Trichromacy



Original Color

38.0332, 0.2180, 0.2222

Protanomaly

37.7019, 0.2280, 0.2223

Deuteranomaly

37.7269, 0.2221, 0.2186

Tritanomaly

37.7903, 0.2295, 0.2721

Monochromacy



Original Color

38.0332, 0.2180, 0.2222

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2219, 0.2695, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0332, 0.2180, 0.2222 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(107, 168, 250)` looks like.

```
.text, #text, p{  
    color:rgb(107, 168, 250)  
}
```

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(107, 168, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 168, 250) }
```

Border

The CSS property to change the border of an element to Yxy 38.0332, 0.2180, 0.2222 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(107, 168, 250) }
```

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

```
.border{ border-color:rgb(107, 168, 250) }
```

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

Here you see how a box with a 4 pixel rgb(107, 168, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 168, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 168, 250);  
box-shadow:4px 4px 4px 4px rgb(107, 168,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0332, 0.2180, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 168, 250) }
```

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

```
.background{ background-color: rgb(107,  
168, 250) }
```

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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