

Converting Colors

$Y_{xy}(35.2008, 0.2136, 0.2146)$

Have a look what the booklet for
Yxy(35.2008, 0.2136, 0.2146)
contains.

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Color

Yxy(35.3273, 0.2139, 0.2151)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 64A2F8 |
| RGB | 100, 162, 248 |
| RGB Percent | 39%, 64%, 97% |
| CMY | 0.6073, 0.3648, 0.0274 |
| CMYK | 0.60, 0.35, 0.00, 0.03 |
| HSL | 215°, 91%, 68% |
| HSV | 215°, 60%, 97% |
| XYZ | 35.1302, 35.3273, 93.7791 |
| YIQ | 153.2660, -64.5580, 13.6020 |

Conversions

Conversions Part 2

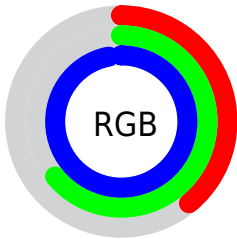
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 100, 144, 248 |
| Decimal | 6595320 |
| CIELab | 66.00, 5.37, -48.90 |
| CIElCh | 66, 49.198, 276.262 |
| Yxy | 35.3273, 0.2139, 0.2151 |
| Android (android.graphics.Color) | 4284785400 (0xFF64A2F8) |
| YUV | 153.2660, 46.7039, -46.7143 |
| Hunter-Lab | 59.4368, 1.4884, -51.9418 |

Details

The Yxy color **35.3273, 0.2139, 0.2151** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **56.0656, 0.4358, 0.4168**, and the grayscale version is **31.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4228, 0.2547, 0.2851**, and **15.2899, 0.1875, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **29.3268, 0.1992, 0.1922**, and if you desaturate by 10%, it is **42.3439, 0.2301, 0.2377**.

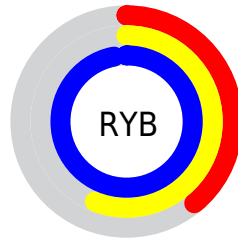
Distribution



Red (39%)

Green (64%)

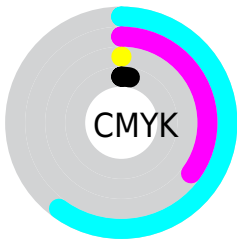
Blue (97%)



Red (39%)

Yellow (56%)

Blue (97%)

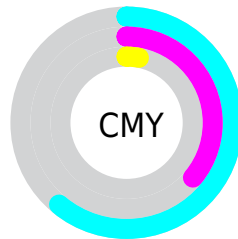


Cyan (60%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (61%)


Magenta (36%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3273, 0.2139, 0.2151 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 35.3273, 0.2139, 0.2151 by changing the saturation by 10% instead.


 35.3273, 0.2139,
0.2151


 35.3273, 0.2139,
0.2151

326.0107, 0.2630,
0.2708

 23.9151, 0.2022,
0.2020


 67.9925, 0.2314,
0.2348

 15.2707, 0.1875,
0.1859


 90.0143, 0.2381,
0.2424

 9.0096, 0.1690,
0.1656


 116.3414, 0.2438,
0.2489

 4.7474, 0.1450,
0.1397

 147.3582, 0.2488,
0.2545

 2.0998, 0.1137,
0.1067

183.4492, 0.2530,
0.2593

 0.6645, 0.0738,
0.0643

224.9987, 0.2568,

 0.0000, 0.0000,

0.2636

0.0000

272.3910, 0.2601,
0.2674

■ 35.3273, 0.2139,
0.2151

■ 35.3273, 0.2139,
0.2151

■ 29.3268, 0.1992,
0.1922

■ 42.3439, 0.2301,
0.2377

■ 24.2787, 0.1866,
0.1697

■ 50.4270, 0.2471,
0.2593

■ 20.1154, 0.1766,
0.1485

■ 59.6273, 0.2644,
0.2794

■ 16.7386, 0.1693,
0.1292

■ 69.9910, 0.2814,
0.2979

■ 16.6236, 0.1690,
0.1285

■ 81.5611, 0.2977,
0.3146

94.3785, 0.3133,
0.3295

99.5577, 0.3168,
0.3357

Harmonies

Analogous

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



35.3273, 0.1861, 0.2328



35.3273, 0.2139, 0.2151



35.3273, 0.2683, 0.2226

Triad

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



35.3273, 0.2139, 0.2151



35.3273, 0.4584, 0.3505



35.3273, 0.2717, 0.4303

Complementary

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



35.3273, 0.2139, 0.2151



56.0656, 0.4358, 0.4168

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.



35.3273, 0.3432, 0.4673



35.3273, 0.2139, 0.2151



35.3273, 0.4543, 0.4059

Square

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



35.3273, 0.2139, 0.2151



35.3273, 0.4159, 0.2966



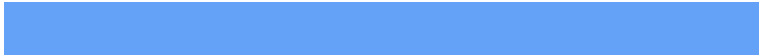
35.3273, 0.4103, 0.4520



35.3273, 0.2152, 0.3539

Rectangle

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



35.3273, 0.2139, 0.2151



35.3273, 0.3166, 0.2398



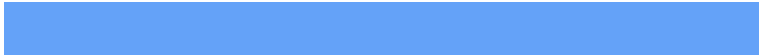
35.3273, 0.4103, 0.4520



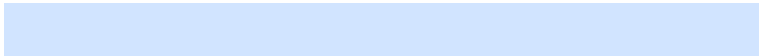
35.3273, 0.2948, 0.4487

Sweetspot

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



35.3285, 0.2139, 0.2151



76.4405, 0.2840, 0.3007



73.3137, 0.2671, 0.4124



15.6320, 0.2792, 0.2956



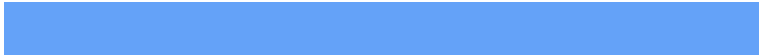
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.3285, 0.2139, 0.2151



29.8141, 0.1958, 0.1865



19.2322, 0.2022, 0.1391



17.8359, 0.2979, 0.3148



9.2419, 0.1699, 0.1314



1.0601, 0.1763, 0.1547

Inverse Universe

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



31.7056, 0.4179, 0.2660



27.9617, 0.4536, 0.2595



86.2646, 0.3902, 0.4728



17.3457, 0.3228, 0.3191



11.3439, 0.5307, 0.2697



1.0712, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 35.3273, 0.2139, 0.2151 looks on a white background.

Color Contrast Check

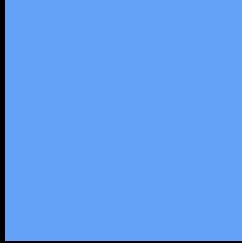
Large Text (above 18pt) WCAG AA × Fail

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 35.3273, 0.2139, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

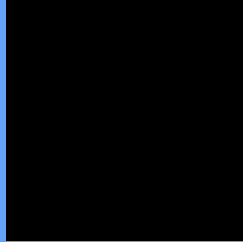
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

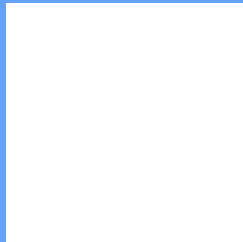
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3273, 0.2139, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 35.3273, 0.2139, 0.2151.



This preview shows how white text looks on a background with the Yxy color 35.3273, 0.2139, 0.2151.

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

35.3273, 0.2139, 0.2151

Protanopia

35.2521, 0.2299, 0.2174

Deuteranopia

35.1465, 0.2188, 0.2118



Tritanopia

35.3588, 0.2343, 0.3065

Trichromacy



Original Color

35.3273, 0.2139, 0.2151

Protanomaly

35.3108, 0.2237, 0.2165

Deuteranomaly

35.1693, 0.2166, 0.2124

Tritanomaly

35.2874, 0.2261, 0.2690

Monochromacy



Original Color

35.3273, 0.2139, 0.2151

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4761, 0.2667, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3273, 0.2139, 0.2151 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(100, 162, 248)` looks like.

```
.text, #text, p{  
    color:rgb(100, 162, 248)  
}
```

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(100, 162, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 162, 248) }
```

Border

The CSS property to change the border of an element to Yxy 35.3273, 0.2139, 0.2151 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(100, 162, 248) }
```

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

```
.border{ border-color:rgb(100, 162, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 162, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 162, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 162, 248);  
box-shadow:4px 4px 4px 4px rgb(100, 162,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3273, 0.2139, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 162, 248) }
```

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

```
.background{ background-color: rgb(100,  
162, 248) }
```

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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