

Converting Colors

$Y_{xy}(35.8216, 0.2138, 0.2226)$

Have a look what the booklet for
Yxy(35.8216, 0.2138, 0.2226)
contains.

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Color

Yxy(35.8216, 0.2138, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	5EA5F4
RGB	94, 165, 244
RGB Percent	37%, 65%, 96%
CMY	0.6311, 0.3530, 0.0431
CMYK	0.61, 0.32, 0.00, 0.04
HSL	212°, 87%, 66%
HSV	212°, 61%, 96%
XYZ	34.4055, 35.8216, 90.6966
YIQ	152.7770, -67.6750, 9.5170

Conversions

Conversions Part 2

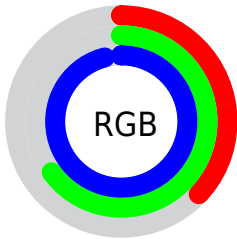
Format	Color
R _Y B	94, 142, 244
Decimal	6202868
CIE Lab	66.38, 1.24, -46.14
CIE LCh	66, 46.156, 271.540
Yxy	35.8216, 0.2138, 0.2226
Android (android.graphics.Color)	4284392948 (0xFF5EA5F4)
YUV	152.7770, 44.9729, -51.5474
Hunter-Lab	59.8511, -2.1287, -47.9504

Details

The Yxy color **35.8216, 0.2138, 0.2226** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **49.9611, 0.4463, 0.4107**, and the grayscale version is **31.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3750, 0.2521, 0.2883**, and **15.6289, 0.1878, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **30.3219, 0.2002, 0.2018**, and if you desaturate by 10%, it is **42.1978, 0.2290, 0.2431**.

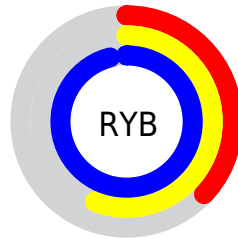
Distribution



Red (37%)

Green (65%)

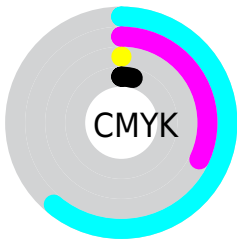
Blue (96%)



Red (37%)

Yellow (56%)

Blue (96%)

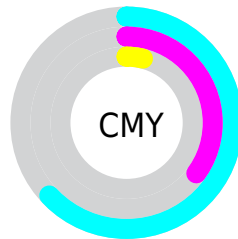


Cyan (61%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (63%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8216, 0.2138, 0.2226 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 35.8216, 0.2138, 0.2226 by changing the saturation by 10% instead.


 35.8216, 0.2138,
0.2226


 35.8216, 0.2138,
0.2226


328.1801, 0.2629,
0.2752


 24.2964, 0.2021,
0.2101

 68.7566, 0.2313,
0.2413


 15.5537, 0.1875,
0.1945


 90.9353, 0.2380,
0.2485

 9.2089, 0.1689,
0.1748


 117.4339, 0.2437,
0.2546

 4.8777, 0.1448,
0.1493

 148.6369, 0.2486,
0.2599

 2.1757, 0.1134,
0.1162

184.9286, 0.2529,
0.2644

 0.7067, 0.0725,
0.0729

226.6934, 0.2566,

 0.0000, 0.0000,

0.2685

0.0000

274.3158, 0.2599,
0.2720

■ 35.8216, 0.2138,
0.2226

■ 35.8216, 0.2138,
0.2226

■ 30.3219, 0.2002,
0.2018

■ 42.1978, 0.2290,
0.2431

■ 25.6414, 0.1887,
0.1812

■ 49.4946, 0.2452,
0.2627

■ 21.7190, 0.1797,
0.1616

■ 57.7570, 0.2619,
0.2811

■ 18.8915, 0.1739,
0.1459

■ 67.0253, 0.2786,
0.2980

■ 77.3373, 0.2949,
0.3134

■ 88.7286, 0.3105,
0.3271

■ 99.3123, 0.3191,
0.3395

Harmonies

Analogous

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



35.8216, 0.1914, 0.2440



35.8216, 0.2138, 0.2226



35.8216, 0.2617, 0.2260

Triad

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



35.8216, 0.2138, 0.2226



35.8216, 0.4453, 0.3419



35.8216, 0.2850, 0.4315

Complementary

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



35.8216, 0.2138, 0.2226



49.9611, 0.4463, 0.4107

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.



35.8216, 0.3528, 0.4585



35.8216, 0.2138, 0.2226



35.8216, 0.4490, 0.3945

Square

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



35.8216, 0.2138, 0.2226



35.8216, 0.3996, 0.2914



35.8216, 0.4133, 0.4394



35.8216, 0.2282, 0.3645

Rectangle

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



35.8216, 0.2138, 0.2226



35.8216, 0.3054, 0.2402



35.8216, 0.4133, 0.4394



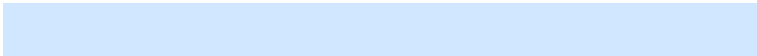
35.8216, 0.3072, 0.4461

Sweetspot

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



35.8228, 0.2138, 0.2226



77.8369, 0.2842, 0.3034



70.0513, 0.2699, 0.4261



15.9711, 0.2794, 0.2988



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.



35.8228, 0.2138, 0.2226



32.0193, 0.1968, 0.1961



17.0656, 0.1942, 0.1314



17.2196, 0.2980, 0.3162



10.5403, 0.1747, 0.1488



1.1306, 0.1812, 0.1722

Inverse Universe

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



29.9674, 0.4115, 0.2563



27.5771, 0.4440, 0.2490



84.3079, 0.3973, 0.4729



16.6130, 0.3219, 0.3179



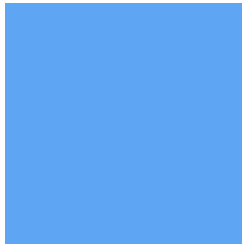
11.1634, 0.5075, 0.2569



1.0018, 0.4780, 0.2407

Previews

White Background



This preview shows how the Yxy color 35.8216, 0.2138, 0.2226 looks on a white background.

Color Contrast Check

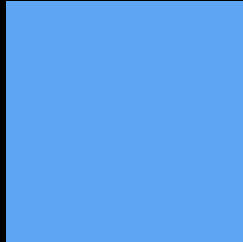
Large Text (above 18pt) WCAG AA × Fail

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 35.8216, 0.2138, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

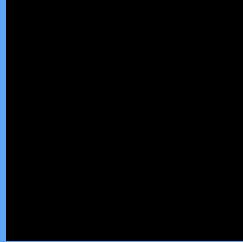
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

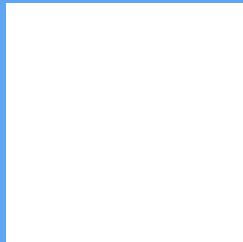
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8216, 0.2138, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 35.8216, 0.2138, 0.2226.



This preview shows how white text looks on a background with the Yxy color 35.8216, 0.2138, 0.2226.

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

35.8216, 0.2138, 0.2226

Protanopia

35.6133, 0.2352, 0.2243

Deuteranopia

35.6561, 0.2240, 0.2179



Tritanopia

35.9973, 0.2317, 0.3065

Trichromacy



Original Color

35.8216, 0.2138, 0.2226

Protanomaly

35.7029, 0.2266, 0.2242

Deuteranomaly

35.7482, 0.2199, 0.2193

Tritanomaly

35.7360, 0.2239, 0.2718

Monochromacy



Original Color

35.8216, 0.2138, 0.2226

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5646, 0.2667, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8216, 0.2138, 0.2226 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(94, 165, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 165, 244)  
}
```

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(94, 165, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 165, 244) }
```

Border

The CSS property to change the border of an element to Yxy 35.8216, 0.2138, 0.2226 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(94, 165, 244) }
```

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

```
.border{ border-color:rgb(94, 165, 244) }
```

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

Here you see how a box with a 4 pixel rgb(94, 165, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 165, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 165, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 165,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8216, 0.2138, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 165, 244) }
```

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

```
.background{ background-color: rgb(94, 165,  
244) }
```

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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