

Converting Colors

$Y_{xy}(34.4300, 0.2110, 0.2118)$

Have a look what the booklet for
Yxy(34.4300, 0.2110, 0.2118)
contains.

Yxy(34.3518, 0.2110, 0.2118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3518, 0.2110, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	5FA0F8
RGB	95, 160, 248
RGB Percent	37%, 63%, 97%
CMY	0.6279, 0.3725, 0.0275
CMYK	0.62, 0.35, 0.00, 0.03
HSL	214°, 92%, 67%
HSV	214°, 62%, 97%
XYZ	34.2220, 34.3518, 93.6160
YIQ	150.5970, -66.9880, 13.5880

Conversions

Conversions Part 2

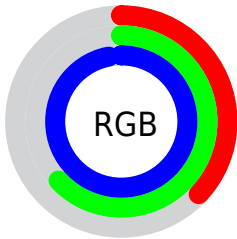
Format	Color
R _Y B	95, 141, 248
Decimal	6267128
CIE Lab	65.24, 5.53, -50.11
CIE LCh	65, 50.412, 276.299
Yxy	34.3518, 0.2110, 0.2118
Android (android.graphics.Color)	4284457208 (0xFF5FA0F8)
YUV	150.5970, 48.0197, -48.7586
Hunter-Lab	58.6104, 1.6562, -53.6742

Details

The Yxy color **34.3518, 0.2110, 0.2118** 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 **54.5830, 0.4417, 0.4181**, and the grayscale version is **30.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4812, 0.2520, 0.2812**, and **14.7053, 0.1839, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **28.5702, 0.1968, 0.1892**, and if you desaturate by 10%, it is **41.1242, 0.2269, 0.2342**.

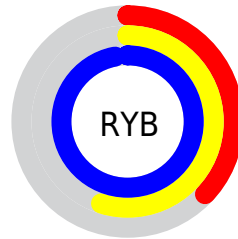
Distribution



Red (37%)

Green (63%)

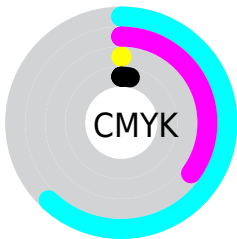
Blue (97%)



Red (37%)

Yellow (55%)

Blue (97%)

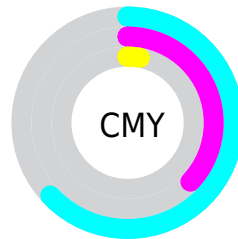


Cyan (62%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (63%)


Magenta (37%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3518, 0.2110, 0.2118 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 34.3518, 0.2110, 0.2118 by changing the saturation by 10% instead.


 34.3518, 0.2110,
0.2118


 34.3518, 0.2110,
0.2118


321.6979, 0.2617,
0.2692


 23.1640, 0.1989,
0.1983


 66.4804, 0.2291,
0.2321


 14.7146, 0.1838,
0.1817


 88.1899, 0.2360,
0.2399

 8.6194, 0.1647,
0.1609


 114.1755, 0.2419,
0.2466

 4.4938, 0.1401,
0.1345

 144.8216, 0.2470,
0.2523

 1.9534, 0.1083,
0.1010

180.5124, 0.2514,
0.2574

 0.5802, 0.0677,
0.0572

221.6325, 0.2552,

 0.0000, 0.0000,

0.2618

0.0000

268.5662, 0.2586,
0.2657

■ 34.3518, 0.2110,
0.2118

■ 34.3518, 0.2110,
0.2118

■ 28.5702, 0.1968,
0.1892

■ 41.1242, 0.2269,
0.2342

■ 23.7153, 0.1848,
0.1671

■ 48.9383, 0.2437,
0.2558

■ 19.7177, 0.1754,
0.1464

■ 57.8451, 0.2608,
0.2760

■ 16.9811, 0.1697,
0.1307

■ 67.8905, 0.2779,
0.2946

■ 79.1176, 0.2944,
0.3115

91.5671, 0.3101,
0.3266

99.5560, 0.3168,
0.3357

Harmonies

Analogous

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



34.3518, 0.1826, 0.2297



34.3518, 0.2110, 0.2118



34.3518, 0.2668, 0.2197

Triad

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



34.3518, 0.2110, 0.2118



34.3518, 0.4633, 0.3507



34.3518, 0.2700, 0.4342

Complementary

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



34.3518, 0.2110, 0.2118



54.5830, 0.4417, 0.4181

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.



34.3518, 0.3437, 0.4723



34.3518, 0.2110, 0.2118



34.3518, 0.4586, 0.4076

Square

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



34.3518, 0.2110, 0.2118



34.3518, 0.4195, 0.2955



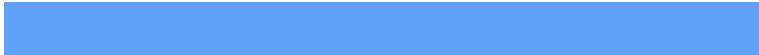
34.3518, 0.4129, 0.4557



34.3518, 0.2120, 0.3545

Rectangle

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



34.3518, 0.2110, 0.2118



34.3518, 0.3166, 0.2373



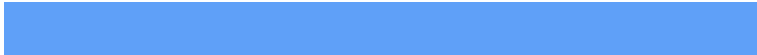
34.3518, 0.4129, 0.4557



34.3518, 0.2938, 0.4532

Sweetspot

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



34.3530, 0.2110, 0.2118



75.4477, 0.2824, 0.2994



72.9119, 0.2663, 0.4160



15.4446, 0.2776, 0.2943



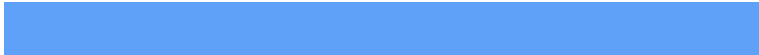
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.3530, 0.2110, 0.2118



29.1256, 0.1937, 0.1838



17.9512, 0.1980, 0.1323



17.8570, 0.2979, 0.3150



9.4394, 0.1705, 0.1336



1.0795, 0.1769, 0.1568

Inverse Universe

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



30.6573, 0.4222, 0.2634



27.2850, 0.4575, 0.2577



86.0841, 0.3921, 0.4767



17.3478, 0.3227, 0.3189



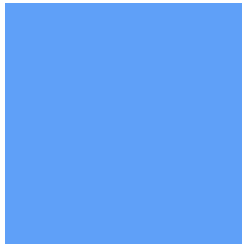
11.3638, 0.5277, 0.2681



1.0732, 0.4972, 0.2512

Previews

White Background



This preview shows how the Yxy color 34.3518, 0.2110, 0.2118 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 34.3518, 0.2110, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

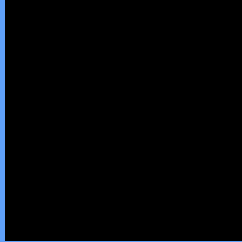
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

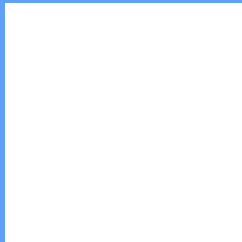
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3518, 0.2110, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 34.3518, 0.2110, 0.2118.



This preview shows how white text looks on a background with the Yxy color 34.3518, 0.2110, 0.2118.

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

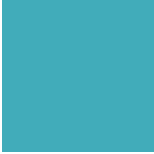
34.3518, 0.2110, 0.2118

Protanopia

34.2737, 0.2271, 0.2140

Deuteranopia

34.4814, 0.2160, 0.2097



Tritanopia

34.1740, 0.2310, 0.3061

Trichromacy



Original Color

34.3518, 0.2110, 0.2118

Protanomaly

34.2839, 0.2205, 0.2131

Deuteranomaly

34.5194, 0.2139, 0.2104

Tritanomaly

34.1452, 0.2225, 0.2667

Monochromacy



Original Color

34.3518, 0.2110, 0.2118

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4817, 0.2654, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3518, 0.2110, 0.2118 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(95, 160, 248)` looks like.

```
.text, #text, p{  
    color:rgb(95, 160, 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(95, 160, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 160, 248) }
```

Border

The CSS property to change the border of an element to Yxy 34.3518, 0.2110, 0.2118 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(95, 160, 248) }
```

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

```
.border{ border-color:rgb(95, 160, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 160, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 160, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 160, 248);  
box-shadow:4px 4px 4px 4px rgb(95, 160,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3518, 0.2110, 0.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 160, 248) }
```

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

```
.background{ background-color: rgb(95, 160,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor