

Converting Colors

$Yxy(34.2641, 0.2128, 0.2118)$

Have a look what the booklet for
Yxy(34.2641, 0.2128, 0.2118)
contains.

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Color

Yxy(34.1643, 0.2129, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	639FF7
RGB	99, 159, 247
RGB Percent	39%, 62%, 97%
CMY	0.6114, 0.3765, 0.0313
CMYK	0.60, 0.36, 0.00, 0.03
HSL	216°, 90%, 68%
HSV	216°, 60%, 97%
XYZ	34.3417, 34.1643, 92.7985
YIQ	151.0920, -64.0080, 14.6480

Conversions

Conversions Part 2

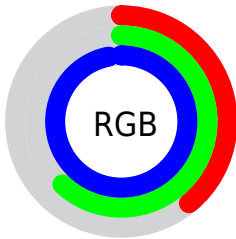
Format	Color
R _Y B	99, 142, 247
Decimal	6529015
CIE Lab	65.09, 6.58, -49.81
CIE LCh	65, 50.241, 277.530
Yxy	34.1643, 0.2129, 0.2118
Android (android.graphics.Color)	4284719095 (0xFF639FF7)
YUV	151.0920, 47.2826, -45.6847
Hunter-Lab	58.4502, 2.5876, -53.2166

Details

The Yxy color **34.1643, 0.2129, 0.2118** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.2768, 0.4350, 0.4190**, and the grayscale version is **30.8122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2821, 0.2535, 0.2802**, and **14.5813, 0.1860, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **28.2206, 0.1980, 0.1884**, and if you desaturate by 10%, it is **41.1372, 0.2293, 0.2349**.

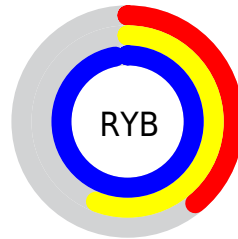
Distribution



Red (39%)

Green (62%)

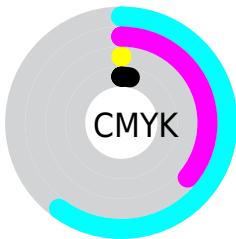
Blue (97%)



Red (39%)

Yellow (56%)

Blue (97%)

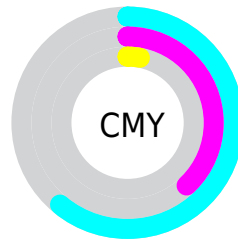


Cyan (60%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (61%)


Magenta (38%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1643, 0.2129, 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 34.1643, 0.2129, 0.2118 by changing the saturation by 10% instead.


 34.1643, 0.2129,
0.2118


 34.1643, 0.2129,
0.2118


320.8640, 0.2628,
0.2692

 23.0198, 0.2009,
0.1983


 66.1891, 0.2307,
0.2321


 14.6082, 0.1860,
0.1817

 87.8382, 0.2375,
0.2399

 8.5449, 0.1671,
0.1609

 113.7577, 0.2433,
0.2466

 4.4455, 0.1426,
0.1344

 144.3319, 0.2483,
0.2523

 1.9258, 0.1107,
0.1009

179.9452, 0.2526,
0.2574

 0.5638, 0.0699,
0.0565

220.9821, 0.2564,

 0.0000, 0.0000,

0.2618

0.0000

267.8269, 0.2598,
0.2657

■ 34.1643, 0.2129,
0.2118

■ 34.1643, 0.2129,
0.2118

■ 28.2206, 0.1980,
0.1884

■ 41.1372, 0.2293,
0.2349

■ 23.2413, 0.1853,
0.1655

■ 49.1908, 0.2464,
0.2570

■ 19.1577, 0.1753,
0.1441

■ 58.3769, 0.2638,
0.2777


■ 15.8676, 0.1680,
0.1248

■ 68.7423, 0.2809,
0.2967

■ 15.8336, 0.1679,
0.1245

■ 80.3310, 0.2973,
0.3139

 93.1847, 0.3129,
0.3292

 99.4969, 0.3173,
0.3366

Harmonies

Analogous

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



34.1643, 0.1833, 0.2285



34.1643, 0.2129, 0.2118



34.1643, 0.2697, 0.2206

Triad

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



34.1643, 0.2129, 0.2118



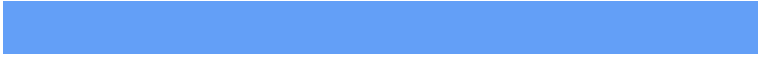
34.1643, 0.4638, 0.3530



34.1643, 0.2673, 0.4313

Complementary

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



34.1643, 0.2129, 0.2118



56.2768, 0.4350, 0.4190

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.



34.1643, 0.3406, 0.4717



34.1643, 0.2129, 0.2118



34.1643, 0.4573, 0.4098

Square

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



34.1643, 0.2129, 0.2118



34.1643, 0.4219, 0.2977



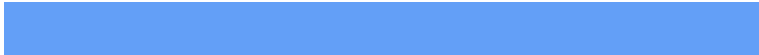
34.1643, 0.4103, 0.4570



34.1643, 0.2103, 0.3510

Rectangle

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



34.1643, 0.2129, 0.2118



34.1643, 0.3199, 0.2388



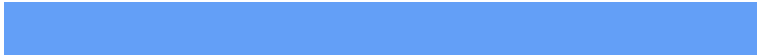
34.1643, 0.4103, 0.4570



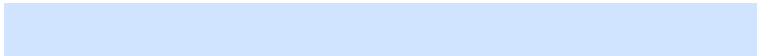
34.1643, 0.2909, 0.4510

Sweetspot

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



34.1655, 0.2129, 0.2118



76.1028, 0.2840, 0.3001



72.7128, 0.2659, 0.4094



15.5502, 0.2791, 0.2948



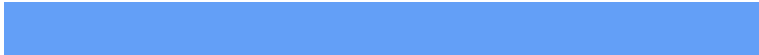
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.1655, 0.2129, 0.2118



29.0507, 0.1950, 0.1832



19.0644, 0.2032, 0.1390



17.0282, 0.2980, 0.3145



8.6336, 0.1688, 0.1276



0.9550, 0.1756, 0.1522

Inverse Universe

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



31.2219, 0.4212, 0.2679



27.8846, 0.4573, 0.2619



85.0490, 0.3886, 0.4743



16.5937, 0.3230, 0.3195



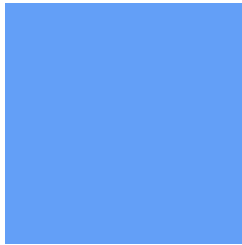
10.9709, 0.5360, 0.2726



0.9840, 0.5030, 0.2545

Previews

White Background



This preview shows how the Yxy color 34.1643, 0.2129, 0.2118 looks on a white background.

Color Contrast Check

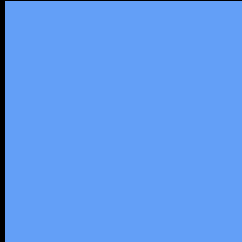
Large Text (above 18pt) WCAG AA × Fail

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 34.1643, 0.2129, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

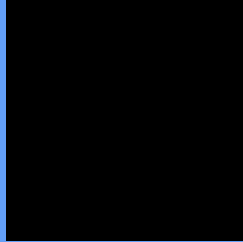
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

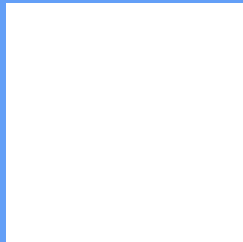
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1643, 0.2129, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 34.1643, 0.2129, 0.2118.



This preview shows how white text looks on a background with the Yxy color 34.1643, 0.2129, 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

34.1643, 0.2129, 0.2118

Protanopia

33.9422, 0.2268, 0.2127

Deuteranopia

34.0175, 0.2166, 0.2103



Tritanopia

34.0063, 0.2340, 0.3061

Trichromacy



Original Color

34.1643, 0.2129, 0.2118

Protanomaly

34.0216, 0.2218, 0.2130

Deuteranomaly

34.1724, 0.2154, 0.2112

Tritanomaly

33.9853, 0.2252, 0.2668

Monochromacy



Original Color

34.1643, 0.2129, 0.2118

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5619, 0.2662, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1643, 0.2129, 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(99, 159, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 159, 247)  
}
```

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(99, 159, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 159, 247) }
```

Border

The CSS property to change the border of an element to Yxy 34.1643, 0.2129, 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(99, 159, 247) }
```

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

```
.border{ border-color:rgb(99, 159, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 159, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 159, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 159, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 159,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1643, 0.2129, 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(99, 159, 247) }
```

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

```
.background{ background-color: rgb(99, 159,  
247) }
```

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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