

Converting Colors

$Y_{xy}(34.4829, 0.2142, 0.2076)$

Have a look what the booklet for
Yxy(34.4829, 0.2142, 0.2076)
contains.

Yxy(34.4829, 0.2142, 0.2076)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4829, 0.2142, 0.2076)

Conversions

Conversions Part 1

Format	Color
Hex	6A9EFB
RGB	106, 158, 251
RGB Percent	42%, 62%, 98%
CMY	0.5844, 0.3804, 0.0157
CMYK	0.58, 0.37, 0.00, 0.02
HSL	218°, 95%, 70%
HSV	218°, 58%, 98%
XYZ	35.5792, 34.4829, 96.0405
YIQ	153.0540, -60.8450, 17.8990

Conversions

Conversions Part 2

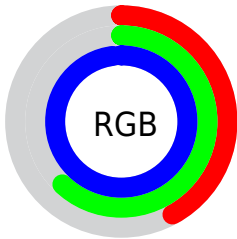
Format	Color
RYB	106, 144, 251
Decimal	6987515
CIELab	65.34, 9.73, -51.56
CIELCh	65, 52.467, 280.684
Yxy	34.4829, 0.2142, 0.2076
Android (android.graphics.Color)	4285177595 (0xFF6A9EFB)
YUV	153.0540, 48.2874, -41.2664
Hunter-Lab	58.7221, 5.3877, -55.8638

Details

The Yxy color **34.4829, 0.2142, 0.2076** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.3743, 0.4256, 0.4228**, and the grayscale version is **31.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4140, 0.2566, 0.2794**, and **14.7505, 0.1876, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **28.0295, 0.1983, 0.1825**, and if you desaturate by 10%, it is **42.1074, 0.2314, 0.2324**.

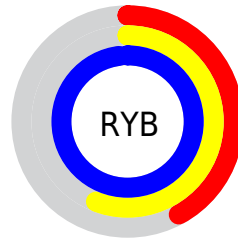
Distribution



Red (42%)

Green (62%)

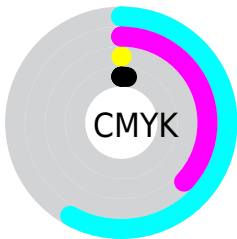
Blue (98%)



Red (42%)

Yellow (56%)

Blue (98%)

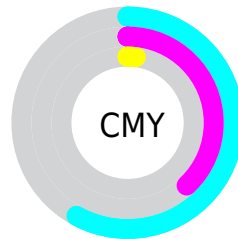


Cyan (58%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (58%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4829, 0.2142, 0.2076 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 34.4829, 0.2142, 0.2076 by changing the saturation by 10% instead.

 34.4829, 0.2142,
0.2076

 34.4829, 0.2142,
0.2076


322.2800, 0.2634,
0.2665

 23.2648, 0.2024,
0.1940


 66.6839, 0.2318,
0.2283

 14.7892, 0.1877,
0.1772


 88.4356, 0.2385,
0.2363

 8.6716, 0.1691,
0.1564


 114.4674, 0.2442,
0.2431

 4.5276, 0.1450,
0.1301

145.1635, 0.2491,
0.2491

 1.9728, 0.1137,
0.0971

180.9084, 0.2534,
0.2542

 0.5916, 0.0742,
0.0549

222.0866, 0.2572,

 0.0000, 0.0000,

0.2588

0.0000

269.0823, 0.2605,
0.2629

■ 34.4829, 0.2142,
0.2076

■ 34.4829, 0.2142,
0.2076

■ 28.0295, 0.1983,
0.1825

■ 42.1074, 0.2314,
0.2324

■ 22.6755, 0.1846,
0.1581

■ 50.9613, 0.2492,
0.2560

■ 18.3447, 0.1736,
0.1355

■ 61.1027, 0.2670,
0.2781

■ 14.9417, 0.1658,
0.1155

■ 72.5848, 0.2843,
0.2982

■ 14.2875, 0.1643,
0.1114

■ 85.4574, 0.3007,
0.3163

99.4689, 0.3150,
0.3324

99.7446, 0.3150,
0.3328

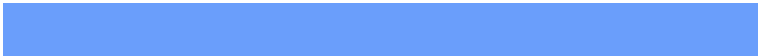
Harmonies

Analogous

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



34.4829, 0.1808, 0.2216



34.4829, 0.2142, 0.2076



34.4829, 0.2756, 0.2193

Triad

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



34.4829, 0.2142, 0.2076



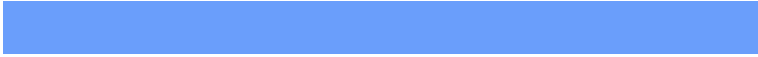
34.4829, 0.4715, 0.3593



34.4829, 0.2579, 0.4283

Complementary

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



34.4829, 0.2142, 0.2076



62.3743, 0.4256, 0.4228

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.



34.4829, 0.3328, 0.4765



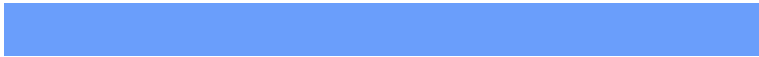
34.4829, 0.2142, 0.2076



34.4829, 0.4590, 0.4178

Square

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



34.4829, 0.2142, 0.2076



34.4829, 0.4331, 0.3019



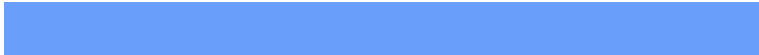
34.4829, 0.4065, 0.4654



34.4829, 0.2019, 0.3423

Rectangle

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



34.4829, 0.2142, 0.2076



34.4829, 0.3288, 0.2394



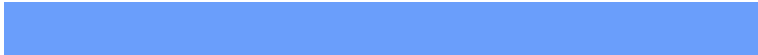
34.4829, 0.4065, 0.4654



34.4829, 0.2817, 0.4508

Sweetspot

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



34.4841, 0.2142, 0.2076



76.2155, 0.2856, 0.2997



76.1210, 0.2635, 0.3963



15.7718, 0.2822, 0.2958



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.



34.4841, 0.2142, 0.2076



28.2857, 0.1964, 0.1794



21.6502, 0.2120, 0.1478



17.6623, 0.2979, 0.3134



7.7604, 0.1651, 0.1144



0.9114, 0.1717, 0.1380

Inverse Universe

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



33.2792, 0.4242, 0.2763



28.8178, 0.4599, 0.2708



87.1281, 0.3816, 0.4732



17.3281, 0.3237, 0.3205



11.1943, 0.5547, 0.2829



1.0562, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 34.4829, 0.2142, 0.2076 looks on a white background.

Color Contrast Check

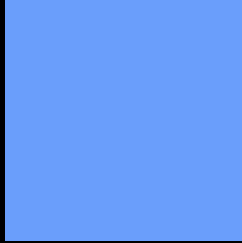
Large Text (above 18pt) WCAG AA × Fail

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 34.4829, 0.2142, 0.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

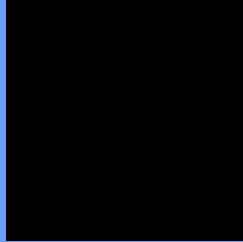
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

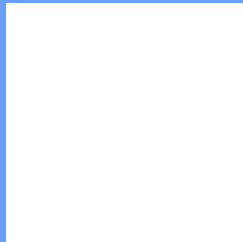
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4829, 0.2142, 0.2076

Background



This preview shows how black text looks on a background with the Yxy color 34.4829, 0.2142, 0.2076.



This preview shows how white text looks on a background with the Yxy color 34.4829, 0.2142, 0.2076.

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

34.4829, 0.2142, 0.2076

Protanopia

34.4310, 0.2235, 0.2090

Deuteranopia

34.4220, 0.2137, 0.2075



Tritanopia

34.6701, 0.2375, 0.3079

Trichromacy



Original Color

34.4829, 0.2142, 0.2076

Protanomaly

34.3984, 0.2200, 0.2084

Deuteranomaly

34.4220, 0.2137, 0.2075

Tritanomaly

34.3647, 0.2279, 0.2660

Monochromacy



Original Color

34.4829, 0.2142, 0.2076

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3511, 0.2674, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4829, 0.2142, 0.2076 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(106, 158, 251)` looks like.

```
.text, #text, p{  
    color:rgb(106, 158, 251)  
}
```

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(106, 158, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 158, 251) }
```

Border

The CSS property to change the border of an element to Yxy 34.4829, 0.2142, 0.2076 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(106, 158, 251) }
```

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

```
.border{ border-color:rgb(106, 158, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 158, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 158, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 158, 251);  
box-shadow:4px 4px 4px 4px rgb(106, 158,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4829, 0.2142, 0.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 158, 251) }
```

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

```
.background{ background-color: rgb(106,  
158, 251) }
```

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