

Converting Colors

$Y_{xy}(34.9020, 0.2002, 0.2121)$

Have a look what the booklet for
Yxy(34.9020, 0.2002, 0.2121)
contains.

Yxy(34.9627, 0.2000, 0.2118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.9627, 0.2000, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	3EA5FC
RGB	62, 165, 252
RGB Percent	24%, 65%, 99%
CMY	0.7565, 0.3530, 0.0118
CMYK	0.75, 0.35, 0.00, 0.01
HSL	207°, 97%, 62%
HSV	207°, 75%, 99%
XYZ	33.0148, 34.9627, 97.0966
YIQ	144.1210, -89.3150, 5.2210

Conversions

Conversions Part 2

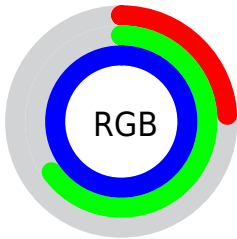
Format	Color
R _{YB}	62, 129, 252
Decimal	4105724
CIE _{Lab}	65.72, -0.77, -51.61
CIE _{LCh}	66, 51.616, 269.150
Yxy	34.9627, 0.2000, 0.2118
Android (android.graphics.Color)	4282295804 (0xFF3EA5FC)
YUV	144.1210, 53.1843, -72.0201
Hunter-Lab	59.1293, -3.8107, -55.9701

Details

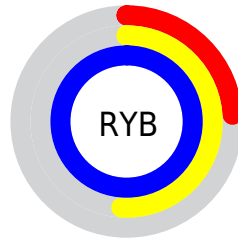
The Yxy color **34.9627, 0.2000, 0.2118** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **42.5646, 0.4959, 0.4077**, and the grayscale version is **27.7600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3929, 0.2415, 0.2872**, and **15.9748, 0.1851, 0.1864** is the 20% darker color. If you saturate the color by 10%, you get **30.3500, 0.1904, 0.1939**, and if you desaturate by 10%, it is **40.3310, 0.2118, 0.2299**.

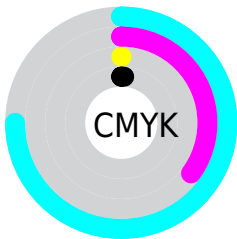
Distribution



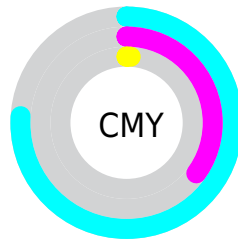
- Red (24%)
- Green (65%)
- Blue (99%)



- Red (24%)
- Yellow (51%)
- Blue (99%)



- Cyan (75%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)




- Cyan (76%)
- Magenta (35%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9627, 0.2000, 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 34.9627, 0.2000, 0.2118 by changing the saturation by 10% instead.


 34.9627, 0.2000,
0.2118


 34.9627, 0.2000,
0.2118

324.4037, 0.2553,
0.2695


 23.6341, 0.1870,
0.1983


 67.4280, 0.2196,
0.2322

 15.0625, 0.1711,
0.1816


 89.3335, 0.2271,
0.2401

 8.8632, 0.1511,
0.1606


 115.5334, 0.2335,
0.2468

 4.6521, 0.1259,
0.1341

 146.4122, 0.2391,
0.2526

 2.0446, 0.0941,
0.1007

182.3543, 0.2439,
0.2576

 0.6332, 0.0538,
0.0585

223.7439, 0.2482,

 0.0000, 0.0000,

0.2621

0.0000

270.9656, 0.2520,
0.2660

■ 34.9627, 0.2000,
0.2118

■ 34.9627, 0.2000,
0.2118

■ 30.3500, 0.1904,
0.1939

■ 40.3310, 0.2118,
0.2299

■ 26.4226, 0.1831,
0.1767

■ 46.5071, 0.2255,
0.2478

■ 24.7923, 0.1803,
0.1690

■ 53.5410, 0.2405,
0.2651

■ 61.4765, 0.2563,
0.2814

■ 70.3538, 0.2725,
0.2965

■ 80.2104, 0.2886,
0.3104

■ 91.0812, 0.3044,
0.3229

■ 99.8078, 0.3144,
0.3319

Harmonies

Analogous

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



34.9627, 0.1780, 0.2367



34.9627, 0.2000, 0.2118



34.9627, 0.2501, 0.2140

Triad

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



34.9627, 0.2000, 0.2118



34.9627, 0.4596, 0.3369



34.9627, 0.2863, 0.4508

Complementary

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



34.9627, 0.2000, 0.2118



42.5646, 0.4959, 0.4077

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.



34.9627, 0.3618, 0.4754



34.9627, 0.2000, 0.2118



34.9627, 0.4665, 0.3950

Square

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



34.9627, 0.2000, 0.2118



34.9627, 0.4047, 0.2826



34.9627, 0.4283, 0.4477



34.9627, 0.2220, 0.3756

Rectangle

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



34.9627, 0.2000, 0.2118



34.9627, 0.2977, 0.2285



34.9627, 0.4283, 0.4477



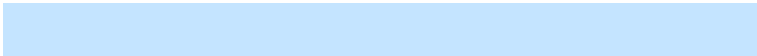
34.9627, 0.3112, 0.4658

Sweetspot

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



34.9638, 0.2000, 0.2118



74.5622, 0.2763, 0.2999



72.7667, 0.2725, 0.4709



15.2111, 0.2704, 0.2947



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.



34.9638, 0.2000, 0.2118



29.2026, 0.1866, 0.1857



12.6360, 0.1709, 0.0988



18.2016, 0.2980, 0.3179



13.2141, 0.1811, 0.1718



1.4359, 0.1867, 0.1920

Inverse Universe

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



26.8655, 0.4278, 0.2362



24.1745, 0.4606, 0.2364



84.8433, 0.4170, 0.4852



17.3826, 0.3209, 0.3162



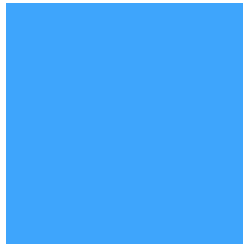
11.7449, 0.4785, 0.2410



1.1092, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 34.9627, 0.2000, 0.2118 looks on a white background.

Color Contrast Check

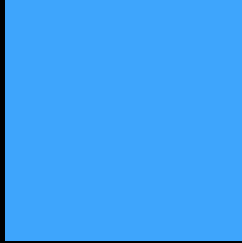
Large Text (above 18pt) WCAG AA × Fail

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 34.9627, 0.2000, 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

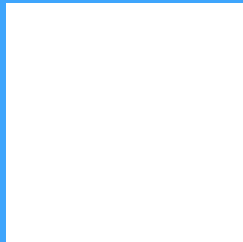
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9627, 0.2000, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 34.9627, 0.2000, 0.2118.

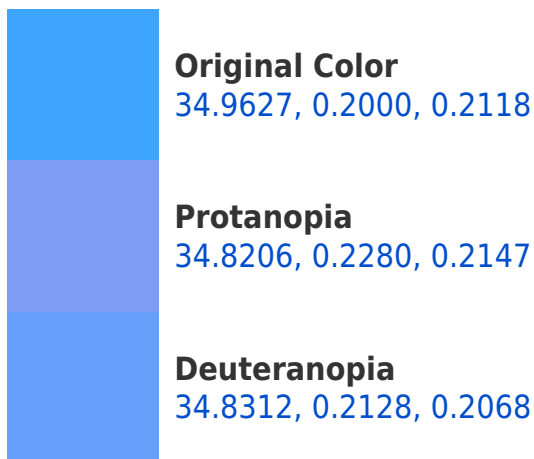


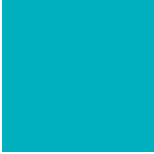
This preview shows how white text looks on a background with the Yxy color 34.9627, 0.2000, 0.2118.

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





Tritanopia

34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.9627, 0.2000, 0.2118

Protanomaly

34.3952, 0.2147, 0.2123

Deuteranomaly

34.7054, 0.2070, 0.2077

Tritanomaly

34.4913, 0.2089, 0.2658

Monochromacy



Original Color

34.9627, 0.2000, 0.2118

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.4528, 0.2538, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9627, 0.2000, 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(62, 165, 252)` looks like.

```
.text, #text, p{  
    color:rgb(62, 165, 252)  
}
```

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(62, 165, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 165, 252) }
```

Border

The CSS property to change the border of an element to Yxy 34.9627, 0.2000, 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(62, 165, 252) }
```

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

```
.border{ border-color:rgb(62, 165, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 165, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 165, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 165, 252);  
box-shadow:4px 4px 4px 4px rgb(62, 165,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9627, 0.2000, 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(62, 165, 252) }
```

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

```
.background{ background-color: rgb(62, 165,  
252) }
```

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