

Converting Colors

$Yxy(34.4340, 0.2023, 0.2197)$

Have a look what the booklet for
Yxy(34.4340, 0.2023, 0.2197)
contains.

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Color

Yxy(34.4340, 0.2023, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	3DA5F4
RGB	61, 165, 244
RGB Percent	24%, 65%, 96%
CMY	0.7613, 0.3529, 0.0430
CMYK	0.75, 0.32, 0.00, 0.04
HSL	206°, 89%, 60%
HSV	206°, 75%, 96%
XYZ	31.7069, 34.4340, 90.5910
YIQ	142.9100, -87.3430, 2.5210

Conversions

Conversions Part 2

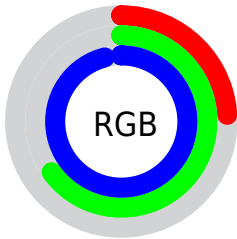
Format	Color
RYB	61, 127, 244
Decimal	4040180
CIELab	65.31, -3.69, -47.92
CIELCh	65, 48.066, 265.603
Yxy	34.4340, 0.2023, 0.2197
Android (android.graphics.Color)	4282230260 (0xFF3DA5F4)
YUV	142.9100, 49.8374, -71.8351
Hunter-Lab	58.6805, -6.2418, -50.4557

Details

The Yxy color **34.4340, 0.2023, 0.2197** 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 **38.3045, 0.4996, 0.4027**, and the grayscale version is **27.2426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2317, 0.2406, 0.2871**, and **15.6225, 0.1877, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **30.1868, 0.1929, 0.2028**, and if you desaturate by 10%, it is **39.3479, 0.2138, 0.2367**.

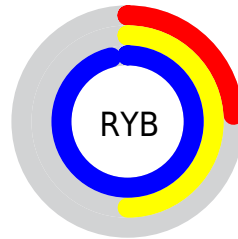
Distribution



Red (24%)

Green (65%)

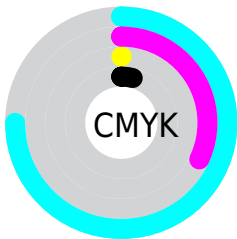
Blue (96%)



Red (24%)

Yellow (50%)

Blue (96%)

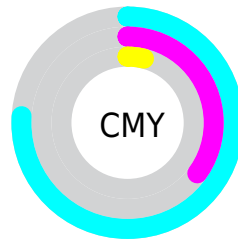


Cyan (75%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (76%)


Magenta (35%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4340, 0.2023, 0.2197 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 34.4340, 0.2023, 0.2197 by changing the saturation by 10% instead.


 34.4340, 0.2023,
0.2197


 34.4340, 0.2023,
0.2197


322.0629, 0.2568,
0.2743


 23.2272, 0.1894,
0.2066


 66.6080, 0.2217,
0.2392


 14.7614, 0.1734,
0.1903


 88.3440, 0.2291,
0.2467

 8.6521, 0.1533,
0.1697


 114.3585, 0.2354,
0.2530

 4.5150, 0.1277,
0.1430

 145.0360, 0.2409,
0.2585

 1.9656, 0.0951,
0.1087

180.7608, 0.2457,
0.2632

 0.5874, 0.0503,
0.0631

221.9173, 0.2498,

 0.0000, 0.0000,

0.2674

0.0000

268.8898, 0.2535,
0.2710

■ 34.4340, 0.2023,
0.2197

■ 34.4340, 0.2023,
0.2197

■ 30.1868, 0.1929,
0.2028

■ 39.3479, 0.2138,
0.2367

■ 26.5434, 0.1858,
0.1865

■ 44.9748, 0.2271,
0.2535

■ 24.9236, 0.1830,
0.1786

■ 51.3592, 0.2417,
0.2696

■ 58.5401, 0.2572,
0.2848

■ 66.5532, 0.2732,
0.2989

■ 75.4317, 0.2892,
0.3119

■ 85.2068, 0.3049,
0.3236

■ 95.6968, 0.3195,
0.3340

■ 99.3138, 0.3191,
0.3395

Harmonies

Analogous

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



34.4340, 0.1845, 0.2472



34.4340, 0.2023, 0.2197



34.4340, 0.2470, 0.2187

Triad

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



34.4340, 0.2023, 0.2197



34.4340, 0.4463, 0.3310



34.4340, 0.2968, 0.4477

Complementary

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



34.4340, 0.2023, 0.2197



38.3045, 0.4996, 0.4027

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.



34.4340, 0.3680, 0.4651



34.4340, 0.2023, 0.2197



34.4340, 0.4590, 0.3860

Square

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



34.4340, 0.2023, 0.2197



34.4340, 0.3907, 0.2799



34.4340, 0.4281, 0.4365



34.4340, 0.2337, 0.3822

Rectangle

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



34.4340, 0.2023, 0.2197



34.4340, 0.2903, 0.2308



34.4340, 0.4281, 0.4365



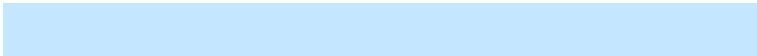
34.4340, 0.3206, 0.4596

Sweetspot

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



34.4351, 0.2023, 0.2197



75.4260, 0.2764, 0.3016



67.5230, 0.2751, 0.4787



15.4200, 0.2706, 0.2967



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.



34.4351, 0.2023, 0.2197



31.2017, 0.1890, 0.1943



12.7107, 0.1730, 0.1055



17.4906, 0.2980, 0.3185



13.8246, 0.1837, 0.1812



1.4190, 0.1893, 0.2014

Inverse Universe

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



25.2811, 0.4195, 0.2317



24.3763, 0.4507, 0.2308



75.4881, 0.4209, 0.4805



16.6404, 0.3204, 0.3156



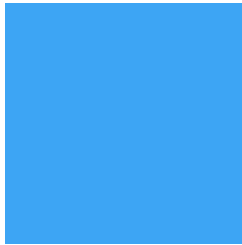
11.4950, 0.4671, 0.2347



1.0309, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 34.4340, 0.2023, 0.2197 looks on a white background.

Color Contrast Check

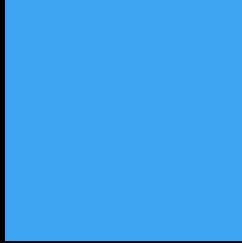
Large Text (above 18pt) WCAG AA × Fail

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 34.4340, 0.2023, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

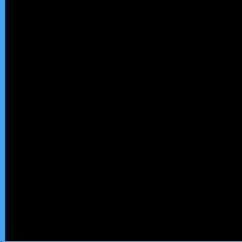
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

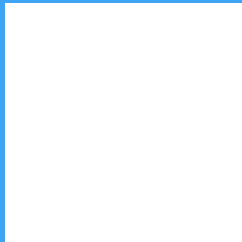
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4340, 0.2023, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 34.4340, 0.2023, 0.2197.



This preview shows how white text looks on a background with the Yxy color 34.4340, 0.2023, 0.2197.

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

34.4340, 0.2023, 0.2197

Protanopia

34.1867, 0.2342, 0.2228

Deuteranopia

34.1473, 0.2185, 0.2117

Trichromacy



Original Color

34.4340, 0.2023, 0.2197

Protanomaly

33.9726, 0.2195, 0.2216

Deuteranomaly

34.0613, 0.2113, 0.2145

Monochromacy



Original Color

34.4340, 0.2023, 0.2197

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.9392, 0.2549, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4340, 0.2023, 0.2197 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(61, 165, 244)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 165, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 165, 244) }
```

Border

The CSS property to change the border of an element to Yxy 34.4340, 0.2023, 0.2197 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(61, 165, 244) }
```

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

```
.border{ border-color:rgb(61, 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(61, 165, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 165, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 165, 244);  
box-shadow:4px 4px 4px 4px rgb(61, 165,  
244) }
```

Background

The CSS property to change the background color of an element to Yxy 34.4340, 0.2023, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 165, 244) }
```

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

```
.background{ background-color: rgb(61, 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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