

Converting Colors

$Y_{xy}(33.1612, 0.1819, 0.2188)$

Have a look what the booklet for
Yxy(33.1612, 0.1819, 0.2188)
contains.

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Color

Yxy(34.5369, 0.1950, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	00A8F4
RGB	0, 168, 244
RGB Percent	0%, 66%, 96%
CMY	1.0000, 0.3411, 0.0432
CMYK	1.00, 0.31, 0.00, 0.04
HSL	199°, 100%, 48%
HSV	199°, 100%, 96%
XYZ	30.3228, 34.5369, 90.6419
YIQ	126.4320, -124.5240, -11.9800

Conversions

Conversions Part 2

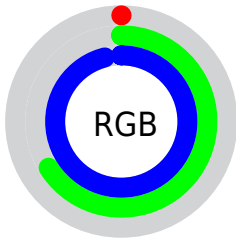
Format	Color
RYB	0, 99, 244
Decimal	43252
CIELab	65.39, -9.15, -47.82
CIELCh	65, 48.689, 259.162
Yxy	34.5369, 0.1950, 0.2221
Android (android.graphics.Color)	4278233332 (0xFF00A8F4)
YUV	126.4320, 57.9610, -110.8809
Hunter-Lab	58.7681, -10.7428, -50.3092

Details

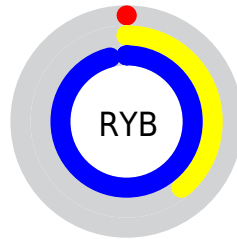
The Yxy color **34.5369, 0.1950, 0.2221** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **24.3942, 0.5963, 0.3647**, and the grayscale version is **20.8524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3103, 0.2330, 0.2900**, and **16.0786, 0.1888, 0.1995** is the 20% darker color. If you saturate the color by 10%, you get **34.5423, 0.1950, 0.2221**, and if you desaturate by 10%, it is **37.6292, 0.1998, 0.2338**.

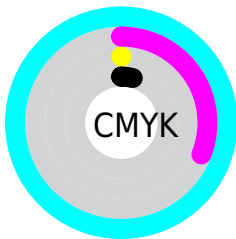
Distribution



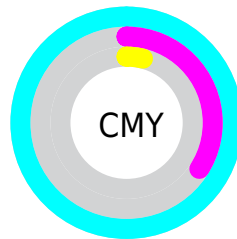
- Red (0%)
- Green (66%)
- Blue (96%)



- Red (0%)
- Yellow (39%)
- Blue (96%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5369, 0.1950, 0.2221 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 34.5369, 0.1950, 0.2221 by changing the saturation by 10% instead.


 34.5369, 0.1950,
0.2221


 34.5369, 0.1950,
0.2221


322.5195, 0.2527,
0.2760

 23.3064, 0.1815,
0.2091


 66.7677, 0.2154,
0.2415

 14.8199, 0.1649,
0.1928


 88.5368, 0.2232,
0.2488


 8.6931, 0.1441,
0.1721


 114.5875, 0.2300,
0.2551

 4.5415, 0.1179,
0.1453

 145.3043, 0.2357,
0.2605

 1.9809, 0.0851,
0.1105

 181.0715, 0.2408,
0.2651

 0.5963, 0.0373,
0.0648

222.2734, 0.2453,

 0.0000, 0.0000,

0.2692

0.0000

269.2947, 0.2492,
0.2728

■ 34.5369, 0.1950,
0.2221

■ 34.5369, 0.1950,
0.2221

■ 34.5423, 0.1950,
0.2221

■ 37.6292, 0.1998,
0.2338

■ 41.1324, 0.2065,
0.2457

■ 45.1322, 0.2152,
0.2577

■ 49.6777, 0.2258,
0.2696

■ 54.8103, 0.2381,
0.2812

■ 60.5667, 0.2518,
0.2922

■ 66.9799, 0.2665,
0.3026

■ 74.0800, 0.2817,
0.3122

■ 81.8953, 0.2972,
0.3210

Harmonies

Analogous

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



34.5369, 0.1829, 0.2560



34.5369, 0.1950, 0.2221



34.5369, 0.2344, 0.2157

Triad

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



34.5369, 0.1950, 0.2221



34.5369, 0.4390, 0.3192



34.5369, 0.3119, 0.4578

Complementary

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



34.5369, 0.1950, 0.2221



24.3942, 0.5963, 0.3647

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.



34.5369, 0.3831, 0.4636



34.5369, 0.1950, 0.2221



34.5369, 0.4619, 0.3745

Square

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



34.5369, 0.1950, 0.2221



34.5369, 0.3758, 0.2695



34.5369, 0.4391, 0.4276



34.5369, 0.2448, 0.3997

Rectangle

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



34.5369, 0.1950, 0.2221



34.5369, 0.2749, 0.2248



34.5369, 0.4391, 0.4276



34.5369, 0.3362, 0.4658

Sweetspot

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



34.5423, 0.1950, 0.2221



73.9976, 0.2664, 0.3025



65.1748, 0.2896, 0.5624



15.1782, 0.2601, 0.2982



0.0000, 0.0000, 0.0000



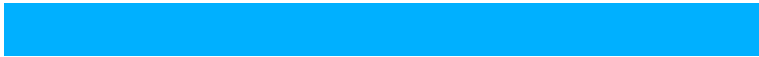
21.4041, 0.3127, 0.3290

Same Dimension

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



34.5423, 0.1950, 0.2221



38.1156, 0.1950, 0.2218



8.7103, 0.1549, 0.0774



17.8364, 0.2980, 0.3215



19.0398, 0.1956, 0.2240



1.8561, 0.1997, 0.2387

Inverse Universe

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



22.0579, 0.4210, 0.2093



24.3789, 0.4213, 0.2094



58.3439, 0.4605, 0.4725



16.6753, 0.3186, 0.3128



12.0214, 0.4190, 0.2082



1.0750, 0.4036, 0.1997

Previews

White Background



This preview shows how the Yxy color 34.5369, 0.1950, 0.2221 looks on a white background.

Color Contrast Check

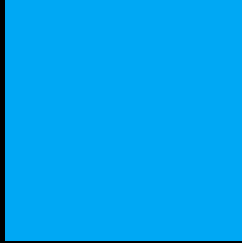
Large Text (above 18pt) WCAG AA × Fail

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 34.5369, 0.1950, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

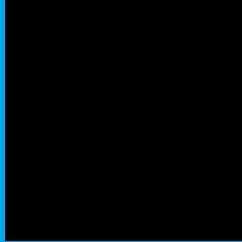
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

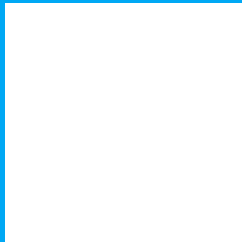
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.5369, 0.1950, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 34.5369, 0.1950, 0.2221.



This preview shows how white text looks on a background with the Yxy color 34.5369, 0.1950, 0.2221.

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

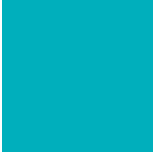
34.5369, 0.1950, 0.2221

Protanopia

34.2314, 0.2365, 0.2252

Deuteranopia

34.4870, 0.2188, 0.2130



Tritanopia

34.2908, 0.2187, 0.3072

Trichromacy



Original Color

34.5369, 0.1950, 0.2221

Protanomaly

33.1409, 0.2108, 0.2217

Deuteranomaly

33.7728, 0.2038, 0.2151

Tritanomaly

34.0591, 0.2090, 0.2723

Monochromacy



Original Color

34.5369, 0.1950, 0.2221

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.6198, 0.2362, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5369, 0.1950, 0.2221 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(0, 168, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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(0, 168, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 244) }
```

Border

The CSS property to change the border of an element to Yxy 34.5369, 0.1950, 0.2221 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(0, 168, 244) }
```

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

```
.border{ border-color:rgb(0, 168, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5369, 0.1950, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 244) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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