

Converting Colors

$Y_{xy}(35.4170, 0.1943, 0.2195)$

Have a look what the booklet for
Yxy(35.4170, 0.1943, 0.2195)
contains.

Yxy(35.5890, 0.1944, 0.2198)	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(35.5890, 0.1944, 0.2198)

Conversions

Conversions Part 1

Format	Color
Hex	00AAF9
RGB	0, 170, 249
RGB Percent	0%, 67%, 98%
CMY	0.9997, 0.3333, 0.0234
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.4763, 35.5890, 94.8500
YIQ	128.1760, -126.6790, -11.4710

Conversions

Conversions Part 2

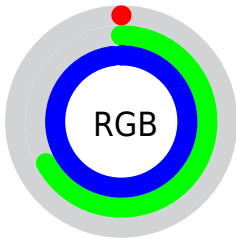
Format	Color
R _{YB}	0, 101, 249
Decimal	43769
CIE Lab	66.20, -8.40, -49.28
CIE LCh	66, 49.989, 260.323
Yxy	35.5890, 0.1944, 0.2198
Android (android.graphics.Color)	4278233849 (0xFF00AAF9)
YUV	128.1760, 59.5662, -112.4104
Hunter-Lab	59.6565, -10.2176, -52.5077

Details

The Yxy color **35.5890, 0.1944, 0.2198** 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 **25.7518, 0.5949, 0.3658**, and the grayscale version is **21.4830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4499, 0.2339, 0.2925**, and **16.7626, 0.1881, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **35.5793, 0.1944, 0.2198**, and if you desaturate by 10%, it is **38.8497, 0.1993, 0.2318**.

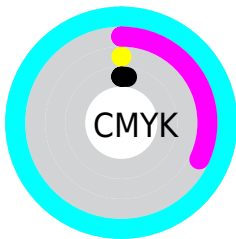
Distribution



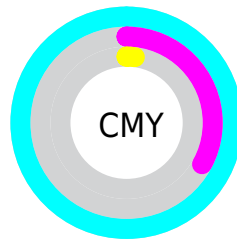
- Red (0%)
- Green (67%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5890, 0.1944, 0.2198 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 35.5890, 0.1944, 0.2198 by changing the saturation by 10% instead.

 35.5890, 0.1944,
0.2198

 35.5890, 0.1944,
0.2198


327.1606, 0.2520,
0.2744

 24.1169, 0.1810,
0.2068


 68.3972, 0.2147,
0.2393

 15.4204, 0.1646,
0.1905

 90.5022, 0.2225,
0.2468


 9.1150, 0.1441,
0.1700


 116.9202, 0.2292,
0.2531

 4.8162, 0.1185,
0.1436

 148.0357, 0.2350,
0.2586

 2.1398, 0.0865,
0.1098

 184.2331, 0.2401,
0.2633

 0.6869, 0.0436,
0.0669

225.8968, 0.2446,

 0.0000, 0.0000,

0.2674

0.0000

273.4112, 0.2485,
0.2711

■ 35.5890, 0.1944,
0.2198

■ 35.5890, 0.1944,
0.2198

■ 35.5793, 0.1944,
0.2198

■ 38.8497, 0.1993,
0.2318

■ 42.5533, 0.2060,
0.2439

■ 46.7845, 0.2148,
0.2562

■ 51.5951, 0.2255,
0.2684

■ 57.0289, 0.2379,
0.2802

■ 63.1246, 0.2517,
0.2915

■ 69.9169, 0.2664,
0.3021

■ 77.4379, 0.2817,
0.3119

■ 85.7171, 0.2973,
0.3209

Harmonies

Analogous

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



35.5890, 0.1811, 0.2529



35.5890, 0.1944, 0.2198



35.5890, 0.2353, 0.2145

Triad

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



35.5890, 0.1944, 0.2198



35.5890, 0.4429, 0.3210



35.5890, 0.3089, 0.4588

Complementary

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



35.5890, 0.1944, 0.2198



25.7518, 0.5949, 0.3658

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.



35.5890, 0.3813, 0.4664



35.5890, 0.1944, 0.2198



35.5890, 0.4642, 0.3770

Square

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



35.5890, 0.1944, 0.2198



35.5890, 0.3798, 0.2703



35.5890, 0.4392, 0.4307



35.5890, 0.2414, 0.3979

Rectangle

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



35.5890, 0.1944, 0.2198



35.5890, 0.2770, 0.2242



35.5890, 0.4392, 0.4307



35.5890, 0.3335, 0.4676

Sweetspot

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



35.5901, 0.1944, 0.2198



73.7368, 0.2663, 0.3020



68.3287, 0.2885, 0.5586



15.1158, 0.2600, 0.2976



0.0000, 0.0000, 0.0000



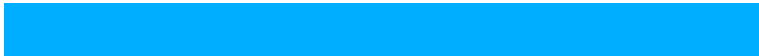
21.4041, 0.3127, 0.3290

Same Dimension

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



35.5901, 0.1944, 0.2198



37.5118, 0.1943, 0.2196



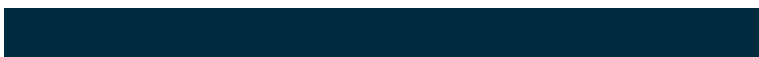
8.7740, 0.1541, 0.0748



18.6248, 0.2980, 0.3213



19.3084, 0.1949, 0.2217



1.9789, 0.1989, 0.2360

Inverse Universe

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



23.0478, 0.4234, 0.2106



24.3180, 0.4236, 0.2107



63.0373, 0.4566, 0.4756



17.4253, 0.3187, 0.3129



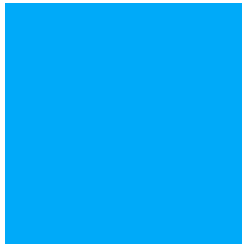
12.3601, 0.4214, 0.2095



1.1640, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 35.5890, 0.1944, 0.2198 looks on a white background.

Color Contrast Check

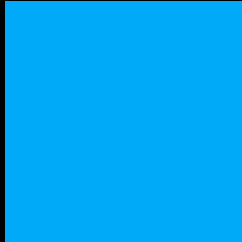
Large Text (above 18pt) WCAG AA × Fail

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 35.5890, 0.1944, 0.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

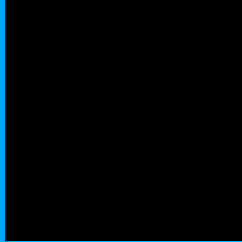
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

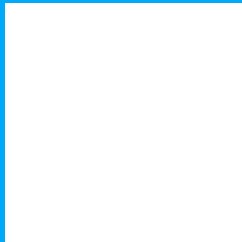
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5890, 0.1944, 0.2198

Background



This preview shows how black text looks on a background with the Yxy color 35.5890, 0.1944, 0.2198.

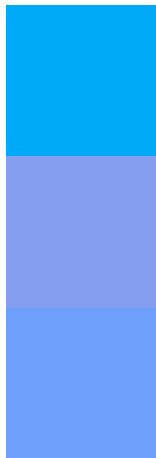


This preview shows how white text looks on a background with the Yxy color 35.5890, 0.1944, 0.2198.

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

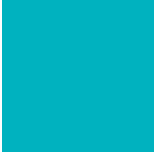
35.5890, 0.1944, 0.2198

Protanopia

35.1925, 0.2343, 0.2228

Deuteranopia

35.4216, 0.2167, 0.2108



Tritanopia

35.6024, 0.2188, 0.3076

Trichromacy



Original Color

35.5890, 0.1944, 0.2198



Protanomaly

34.1363, 0.2095, 0.2194



Deuteranomaly

34.7551, 0.2025, 0.2129



Tritanomaly

35.4134, 0.2088, 0.2718

Monochromacy



Original Color

35.5890, 0.1944, 0.2198



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.3728, 0.2357, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5890, 0.1944, 0.2198 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, 170, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 249)  
}
```

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, 170, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 249) }
```

Border

The CSS property to change the border of an element to Yxy 35.5890, 0.1944, 0.2198 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, 170, 249) }
```

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

```
.border{ border-color:rgb(0, 170, 249) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5890, 0.1944, 0.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 249) }
```

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

```
.background{ background-color: rgb(0, 170,  
249) }
```

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