

Converting Colors

$Y_{xy}(35.6956, 0.1942, 0.2191)$

Have a look what the booklet for
Yxy(35.6956, 0.1942, 0.2191)
contains.

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Color

Yxy(35.6516, 0.1941, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	00AAFA
RGB	0, 170, 250
RGB Percent	0%, 67%, 98%
CMY	1.0000, 0.3333, 0.0196
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.6269, 35.6516, 95.6630
YIQ	128.2900, -127.0000, -11.1600

Conversions

Conversions Part 2

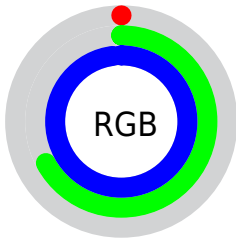
Format	Color
RYB	0, 101, 250
Decimal	43770
CIELab	66.25, -8.06, -49.74
CIELCh	66, 50.387, 260.796
Yxy	35.6516, 0.1941, 0.2188
Android (android.graphics.Color)	4278233850 (0xFF00AAFA)
YUV	128.2900, 60.0030, -112.5103
Hunter-Lab	59.7090, -9.9419, -53.1954

Details

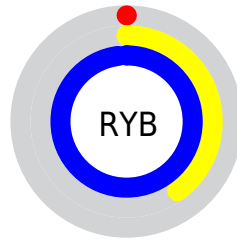
The Yxy color **35.6516, 0.1941, 0.2188** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.0629, 0.5944, 0.3663**, and the grayscale version is **21.5152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4499, 0.2339, 0.2925**, and **16.8071, 0.1878, 0.1960** is the 20% darker color. If you saturate the color by 10%, you get **35.6551, 0.1941, 0.2188**, and if you desaturate by 10%, it is **38.9533, 0.1990, 0.2309**.

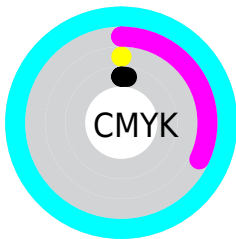
Distribution



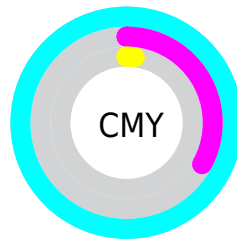
- Red (0%)
- Green (67%)
- Blue (98%)



- 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 35.6516, 0.1941, 0.2188 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 35.6516, 0.1941, 0.2188 by changing the saturation by 10% instead.


 35.6516, 0.1941,
0.2188


 35.6516, 0.1941,
0.2188


327.4352, 0.2518,
0.2738

 24.1652, 0.1807,
0.2057


 68.4940, 0.2144,
0.2384


 15.4562, 0.1643,
0.1894


 90.6188, 0.2223,
0.2459


 9.1402, 0.1438,
0.1688


 117.0585, 0.2290,
0.2523

 4.8327, 0.1182,
0.1425

 148.1976, 0.2348,
0.2578

 2.1495, 0.0864,
0.1087

 184.4204, 0.2399,
0.2626

 0.6922, 0.0441,
0.0662

226.1114, 0.2443,

 0.0000, 0.0000,

0.2668

0.0000

273.6548, 0.2483,
0.2705

■ 35.6516, 0.1941,
0.2188

■ 35.6516, 0.1941,
0.2188

■ 35.6551, 0.1941,
0.2188

■ 38.9533, 0.1990,
0.2309

■ 42.7020, 0.2057,
0.2431

■ 46.9857, 0.2146,
0.2555

■ 51.8570, 0.2253,
0.2678

■ 57.3601, 0.2378,
0.2797

■ 63.5341, 0.2516,
0.2911

■ 70.4144, 0.2663,
0.3018

■ 78.0332, 0.2816,
0.3117

■ 86.4205, 0.2972,
0.3208

Harmonies

Analogous

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



35.6516, 0.1803, 0.2516



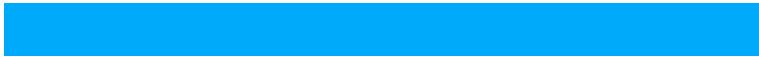
35.6516, 0.1941, 0.2188



35.6516, 0.2356, 0.2139

Triad

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



35.6516, 0.1941, 0.2188



35.6516, 0.4446, 0.3217



35.6516, 0.3076, 0.4593

Complementary

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



35.6516, 0.1941, 0.2188



26.0629, 0.5944, 0.3663

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.



35.6516, 0.3806, 0.4677



35.6516, 0.1941, 0.2188



35.6516, 0.4652, 0.3781

Square

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



35.6516, 0.1941, 0.2188



35.6516, 0.3814, 0.2707



35.6516, 0.4393, 0.4320



35.6516, 0.2399, 0.3972

Rectangle

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



35.6516, 0.1941, 0.2188



35.6516, 0.2778, 0.2239



35.6516, 0.4393, 0.4320



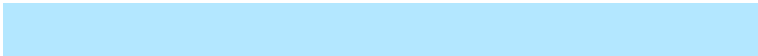
35.6516, 0.3323, 0.4684

Sweetspot

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



35.6551, 0.1941, 0.2188



73.6281, 0.2663, 0.3018



68.9433, 0.2885, 0.5587



15.0898, 0.2600, 0.2973



0.0000, 0.0000, 0.0000



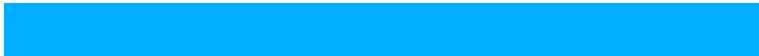
21.4041, 0.3127, 0.3290

Same Dimension

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



35.6551, 0.1941, 0.2188



37.2617, 0.1941, 0.2187



8.8438, 0.1541, 0.0748



18.6171, 0.2980, 0.3212



19.1825, 0.1947, 0.2208



1.9679, 0.1987, 0.2352

Inverse Universe

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



23.2281, 0.4245, 0.2112



24.2927, 0.4246, 0.2113



63.5937, 0.4567, 0.4756



17.4245, 0.3187, 0.3130



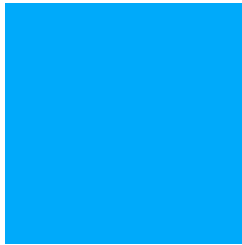
12.3474, 0.4224, 0.2100



1.1629, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 35.6516, 0.1941, 0.2188 looks on a white background.

Color Contrast Check

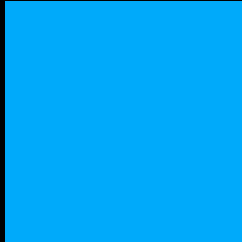
Large Text (above 18pt) WCAG AA × Fail

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 35.6516, 0.1941, 0.2188 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

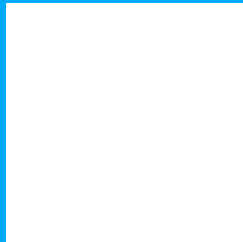
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6516, 0.1941, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 35.6516, 0.1941, 0.2188.



This preview shows how white text looks on a background with the Yxy color 35.6516, 0.1941, 0.2188.

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

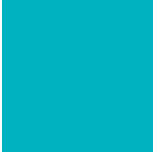
35.6516, 0.1941, 0.2188

Protanopia

35.2515, 0.2338, 0.2218

Deuteranopia

35.4211, 0.2158, 0.2097



Tritanopia

35.6024, 0.2188, 0.3076

Trichromacy



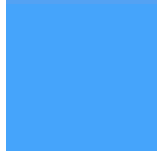
Original Color

35.6516, 0.1941, 0.2188



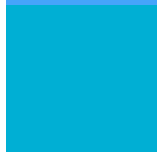
Protanomaly

34.1965, 0.2091, 0.2183



Deuteranomaly

34.7812, 0.2019, 0.2119



Tritanomaly

35.4134, 0.2088, 0.2718

Monochromacy



Original Color

35.6516, 0.1941, 0.2188



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 35.6516, 0.1941, 0.2188 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 250) }
```

Border

The CSS property to change the border of an element to Yxy 35.6516, 0.1941, 0.2188 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, 250) }
```

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

```
.border{ border-color:rgb(0, 170, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6516, 0.1941, 0.2188 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, 250) }
```

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

```
.background{ background-color: rgb(0, 170,  
250) }
```

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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