

Converting Colors

$Y_{xy}(33.1656, 0.1584, 0.2134)$

Have a look what the booklet for
Yxy(33.1656, 0.1584, 0.2134)
contains.

Yxy(37.3640, 0.1949, 0.2216)	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(37.3640, 0.1949, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	00AEFD
RGB	0, 174, 253
RGB Percent	0%, 68%, 99%
CMY	0.9996, 0.3176, 0.0080
CMYK	1.00, 0.31, 0.00, 0.01
HSL	199°, 100%, 50%
HSV	199°, 100%, 99%
XYZ	32.8621, 37.3640, 98.3840
YIQ	130.9800, -129.0630, -12.3190

Conversions

Conversions Part 2

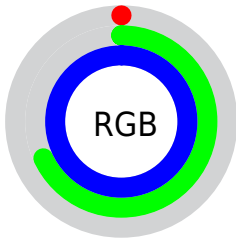
Format	Color
R _{YB}	0, 103, 253
Decimal	44797
CIE _{Lab}	67.55, -9.19, -49.30
CIE _{LCh}	68, 50.153, 259.436
Yxy	37.3640, 0.1949, 0.2216
Android (android.graphics.Color)	4278234877 (0xFF00AEFD)
YUV	130.9800, 60.1559, -114.8695
Hunter-Lab	61.1261, -11.0070, -52.6405

Details

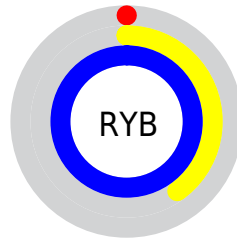
The Yxy color **37.3640, 0.1949, 0.2216** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **26.4776, 0.5963, 0.3647**, and the grayscale version is **22.5159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7034, 0.2353, 0.2976**, and **17.9046, 0.1888, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **37.3537, 0.1949, 0.2216**, and if you desaturate by 10%, it is **40.7190, 0.1997, 0.2334**.

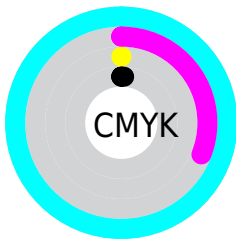
Distribution



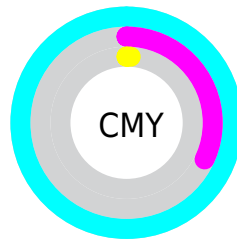
- Red (0%)
- Green (68%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (32%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3640, 0.1949, 0.2216 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 37.3640, 0.1949, 0.2216 by changing the saturation by 10% instead.

 37.3640, 0.1949,
0.2216

 37.3640, 0.1949,
0.2216

334.8838, 0.2519,
0.2750


 25.4894, 0.1818,
0.2089


 71.1323, 0.2149,
0.2406


 16.4421, 0.1657,
0.1932


 93.7948, 0.2226,
0.2479


 9.8375, 0.1458,
0.1733


 120.8220, 0.2292,
0.2541

 5.2914, 0.1208,
0.1478

 152.5985, 0.2350,
0.2594

 2.4192, 0.0897,
0.1149

 189.5085, 0.2400,
0.2641

 0.8357, 0.0505,
0.0740

231.9364, 0.2444,

 0.0000, 0.0000,

0.2682

0.0000

280.2667, 0.2483,
0.2718

■ 37.3640, 0.1949,
0.2216

■ 37.3640, 0.1949,
0.2216

■ 37.3537, 0.1949,
0.2216

■ 40.7190, 0.1997,
0.2334

■ 44.5282, 0.2063,
0.2453

■ 48.8790, 0.2150,
0.2574

■ 53.8250, 0.2257,
0.2693

■ 59.4117, 0.2380,
0.2810

■ 65.6790, 0.2517,
0.2920

■ 72.6631, 0.2664,
0.3025

■ 80.3970, 0.2817,
0.3122

■ 88.9114, 0.2972,
0.3210

Harmonies

Analogous

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



37.3640, 0.1825, 0.2553



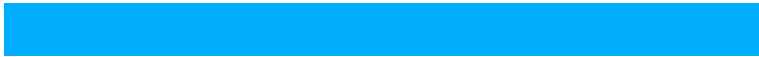
37.3640, 0.1949, 0.2216



37.3640, 0.2346, 0.2155

Triad

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



37.3640, 0.1949, 0.2216



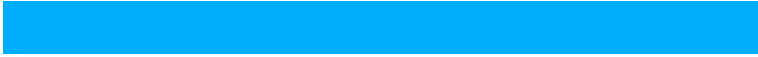
37.3640, 0.4399, 0.3196



37.3640, 0.3112, 0.4579

Complementary

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



37.3640, 0.1949, 0.2216



26.4776, 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.



37.3640, 0.3827, 0.4642



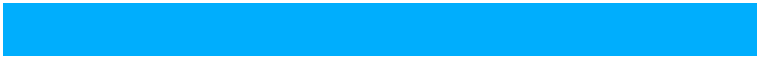
37.3640, 0.1949, 0.2216



37.3640, 0.4624, 0.3751

Square

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



37.3640, 0.1949, 0.2216



37.3640, 0.3767, 0.2697



37.3640, 0.4390, 0.4283



37.3640, 0.2440, 0.3993

Rectangle

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



37.3640, 0.1949, 0.2216



37.3640, 0.2754, 0.2247



37.3640, 0.4390, 0.4283



37.3640, 0.3355, 0.4661

Sweetspot

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



37.3652, 0.1949, 0.2216



73.9587, 0.2663, 0.3024



70.7544, 0.2896, 0.5627



15.1689, 0.2601, 0.2981



0.0000, 0.0000, 0.0000



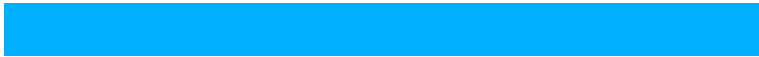
21.4041, 0.3127, 0.3290

Same Dimension

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



37.3652, 0.1949, 0.2216



38.0254, 0.1949, 0.2215



9.4293, 0.1548, 0.0773



19.4682, 0.2980, 0.3214



20.1479, 0.1954, 0.2235



2.1570, 0.1992, 0.2369

Inverse Universe

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



23.9355, 0.4215, 0.2096



24.3698, 0.4216, 0.2096



63.3044, 0.4606, 0.4725



18.1981, 0.3186, 0.3128



12.7619, 0.4195, 0.2085



1.2623, 0.4055, 0.2007

Previews

White Background



This preview shows how the Yxy color 37.3640, 0.1949, 0.2216 looks on a white background.

Color Contrast Check

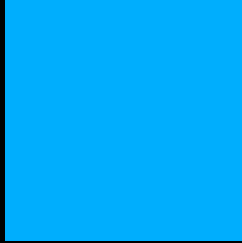
Large Text (above 18pt) WCAG AA × Fail

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 37.3640, 0.1949, 0.2216 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

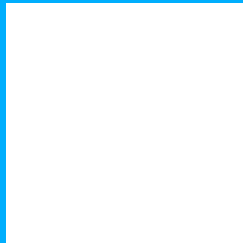
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3640, 0.1949, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 37.3640, 0.1949, 0.2216.



This preview shows how white text looks on a background with the Yxy color 37.3640, 0.1949, 0.2216.

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

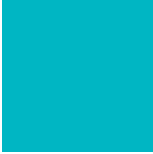
37.3640, 0.1949, 0.2216

Protanopia

37.1348, 0.2357, 0.2248

Deuteranopia

37.0592, 0.2184, 0.2117



Tritanopia

37.3960, 0.2189, 0.3080

Trichromacy



Original Color

37.3640, 0.1949, 0.2216

Protanomaly

35.9525, 0.2105, 0.2213

Deuteranomaly

36.2097, 0.2032, 0.2135

Tritanomaly

37.1981, 0.2091, 0.2728

Monochromacy



Original Color

37.3640, 0.1949, 0.2216

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.8016, 0.2365, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3640, 0.1949, 0.2216 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, 174, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 253)  
}
```

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, 174, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 253) }
```

Border

The CSS property to change the border of an element to Yxy 37.3640, 0.1949, 0.2216 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, 174, 253) }
```

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

```
.border{ border-color:rgb(0, 174, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3640, 0.1949, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 253) }
```

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

```
.background{ background-color: rgb(0, 174,  
253) }
```

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