

Converting Colors

$Y_{xy}(33.6452, 0.1712, 0.2155)$

Have a look what the booklet for
Yxy(33.6452, 0.1712, 0.2155)
contains.

Yxy(36.4072, 0.1949, 0.2217)	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>	29

Color

Yxy(36.4072, 0.1949, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	00ACFA
RGB	0, 172, 250
RGB Percent	0%, 67%, 98%
CMY	1.0000, 0.3255, 0.0195
CMYK	1.00, 0.31, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	32.0061, 36.4072, 95.8050
YIQ	129.4640, -127.5500, -12.2060

Conversions

Conversions Part 2

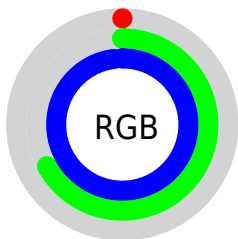
Format	Color
RYB	0, 102, 250
Decimal	44282
CIELab	66.83, -9.17, -48.84
CIELCh	67, 49.692, 259.369
Yxy	36.4072, 0.1949, 0.2217
Android (android.graphics.Color)	4278234362 (0xFF00ACFA)
YUV	129.4640, 59.4242, -113.5399
Hunter-Lab	60.3384, -10.9079, -51.9035

Details

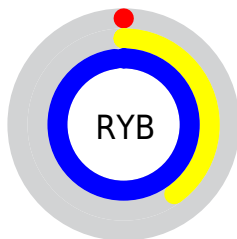
The Yxy color **36.4072, 0.1949, 0.2217** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **25.7809, 0.5964, 0.3647**, and the grayscale version is **21.9478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5377, 0.2344, 0.2950**, and **17.2832, 0.1888, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **36.4114, 0.1949, 0.2217**, and if you desaturate by 10%, it is **39.6759, 0.1997, 0.2335**.

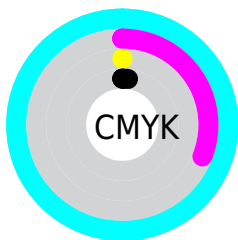
Distribution



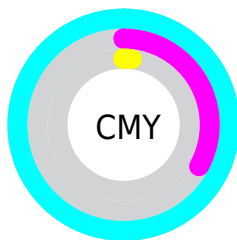
- Red (0%)
- Green (67%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4072, 0.1949, 0.2217 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 36.4072, 0.1949, 0.2217 by changing the saturation by 10% instead.


 36.4072, 0.1949,
0.2217


 36.4072, 0.1949,
0.2217


330.7369, 0.2521,
0.2753


 24.7488, 0.1817,
0.2089


 69.6601, 0.2150,
0.2408


 15.8900, 0.1654,
0.1930


 92.0235, 0.2228,
0.2482

 9.4464, 0.1452,
0.1728


 118.7239, 0.2294,
0.2544

 5.0335, 0.1198,
0.1469

 150.1459, 0.2352,
0.2597

 2.2669, 0.0882,
0.1134

 186.6738, 0.2402,
0.2644

 0.7561, 0.0467,
0.0714

228.6920, 0.2447,

 0.0000, 0.0000,

0.2685

0.0000

276.5849, 0.2486,
0.2721

■ 36.4072, 0.1949,
0.2217

■ 36.4072, 0.1949,
0.2217

■ 36.4114, 0.1949,
0.2217

■ 39.6759, 0.1997,
0.2335

■ 43.3825, 0.2063,
0.2454

■ 47.6156, 0.2150,
0.2575

■ 52.4274, 0.2257,
0.2694

■ 57.8620, 0.2380,
0.2810

■ 63.9583, 0.2517,
0.2921

■ 70.7514, 0.2664,
0.3025

■ 78.2734, 0.2817,
0.3122

■ 86.5542, 0.2972,
0.3210

Harmonies

Analogous

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



36.4072, 0.1826, 0.2555



36.4072, 0.1949, 0.2217



36.4072, 0.2345, 0.2155

Triad

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



36.4072, 0.1949, 0.2217



36.4072, 0.4397, 0.3195



36.4072, 0.3114, 0.4579

Complementary

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



36.4072, 0.1949, 0.2217



25.7809, 0.5964, 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.



36.4072, 0.3828, 0.4641



36.4072, 0.1949, 0.2217



36.4072, 0.4623, 0.3750

Square

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



36.4072, 0.1949, 0.2217



36.4072, 0.3765, 0.2696



36.4072, 0.4391, 0.4281



36.4072, 0.2442, 0.3994

Rectangle

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



36.4072, 0.1949, 0.2217



36.4072, 0.2753, 0.2247



36.4072, 0.4391, 0.4281



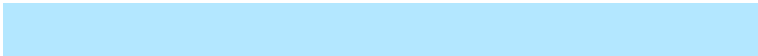
36.4072, 0.3357, 0.4661

Sweetspot

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



36.4114, 0.1949, 0.2217



73.9678, 0.2663, 0.3025



68.8966, 0.2896, 0.5627



15.1711, 0.2601, 0.2981



0.0000, 0.0000, 0.0000



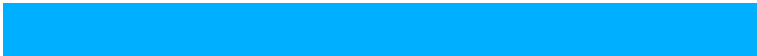
21.4041, 0.3127, 0.3290

Same Dimension

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



36.4114, 0.1949, 0.2217



38.0465, 0.1949, 0.2216



9.1856, 0.1548, 0.0773



18.6412, 0.2980, 0.3214



19.5775, 0.1955, 0.2236



2.0023, 0.1994, 0.2377

Inverse Universe

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



23.3079, 0.4214, 0.2095



24.3720, 0.4215, 0.2096



61.6480, 0.4606, 0.4725



17.4269, 0.3186, 0.3128



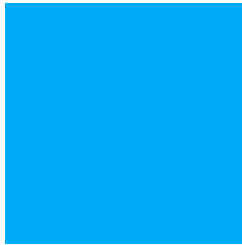
12.3873, 0.4193, 0.2084



1.1664, 0.4046, 0.2003

Previews

White Background



This preview shows how the Yxy color 36.4072, 0.1949, 0.2217 looks on a white background.

Color Contrast Check

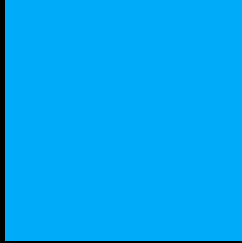
Large Text (above 18pt) WCAG AA × Fail

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 36.4072, 0.1949, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

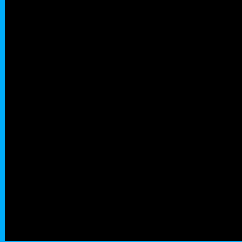
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

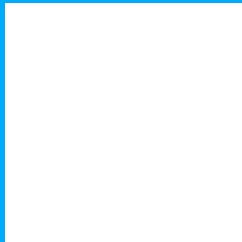
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4072, 0.1949, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 36.4072, 0.1949, 0.2217.

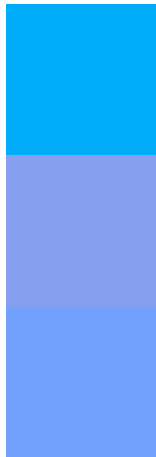


This preview shows how white text looks on a background with the Yxy color 36.4072, 0.1949, 0.2217.

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

36.4072, 0.1949, 0.2217

Protanopia

36.1792, 0.2361, 0.2250

Deuteranopia

36.0923, 0.2176, 0.2107

Trichromacy



Original Color

36.4072, 0.1949, 0.2217

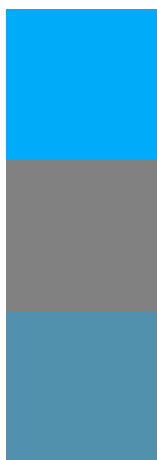
Protanomaly

35.0004, 0.2106, 0.2214

Deuteranomaly

35.3163, 0.2028, 0.2126

Monochromacy



Original Color

36.4072, 0.1949, 0.2217

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

25.0618, 0.2364, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4072, 0.1949, 0.2217 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, 172, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 250) }
```

Border

The CSS property to change the border of an element to Yxy 36.4072, 0.1949, 0.2217 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, 172, 250) }
```

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

```
.border{ border-color:rgb(0, 172, 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, 172, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 36.4072, 0.1949, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 250) }
```

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

```
.background{ background-color: rgb(0, 172,  
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](#).

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