

Converting Colors

$Y_{xy}(37.8315, 0.1947, 0.2208)$

Have a look what the booklet for
Yxy(37.8315, 0.1947, 0.2208)
contains.

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Color

Yxy(37.8864, 0.1948, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	01AFFF
RGB	1, 175, 255
RGB Percent	0%, 69%, 100%
CMY	0.9941, 0.3137, 0.0000
CMYK	0.99, 0.31, 0.00, 0.00
HSL	199°, 100%, 50%
HSV	199°, 99%, 100%
XYZ	33.3949, 37.8864, 100.1504
YIQ	132.0940, -129.3840, -12.0080

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 104, 255
Decimal	110591
CIE Lab	67.94, -8.98, -49.78
CIE LCh	68, 50.588, 259.777
Yxy	37.8864, 0.1948, 0.2210
Android (android.graphics.Color)	4278300671 (0xFF01AFFF)
YUV	132.0940, 60.5927, -114.9694
Hunter-Lab	61.5519, -10.8710, -53.3837

Details

The Yxy color **37.8864, 0.1948, 0.2210** 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 **27.2195, 0.5943, 0.3658**, and the grayscale version is **22.9781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3243, 0.2360, 0.2988**, and **18.2431, 0.1887, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **37.6940, 0.1945, 0.2203**, and if you desaturate by 10%, it is **41.3371, 0.1997, 0.2329**.

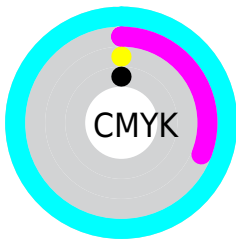
Distribution



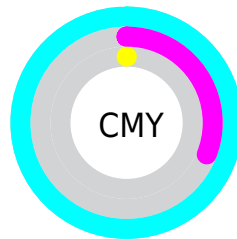
- Red (0%)
- Green (69%)
- Blue (100%)



- Red (0%)
- Yellow (41%)
- Blue (100%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8864, 0.1948, 0.2210 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 37.8864, 0.1948, 0.2210 by changing the saturation by 10% instead.


 37.8864, 0.1948,
0.2210


 37.8864, 0.1948,
0.2210


337.1324, 0.2517,
0.2745

 25.8945, 0.1817,
0.2083


 71.9340, 0.2147,
0.2400


 16.7448, 0.1658,
0.1926


 94.7585, 0.2224,
0.2473

 10.0527, 0.1460,
0.1729


 121.9627, 0.2290,
0.2535

 5.4339, 0.1212,
0.1476

 153.9309, 0.2348,
0.2589

 2.5040, 0.0904,
0.1151

 191.0476, 0.2398,
0.2636

 0.8787, 0.0523,
0.0747

233.6972, 0.2442,

 0.0000, 0.0000,

0.2677

0.0000

282.2640, 0.2481,
0.2713

■ 37.8864, 0.1948,
0.2210

■ 37.8864, 0.1948,
0.2210

■ 37.6940, 0.1945,
0.2203

■ 41.3371, 0.1997,
0.2329

■ 45.2634, 0.2065,
0.2450

■ 49.7485, 0.2153,
0.2572

■ 54.8466, 0.2261,
0.2693

■ 60.6038, 0.2386,
0.2810

■ 67.0608, 0.2524,
0.2922

■ 74.2543, 0.2672,
0.3027

■ 82.2178, 0.2825,
0.3125

■ 90.9827, 0.2981,
0.3214

Harmonies

Analogous

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



37.8864, 0.1821, 0.2545



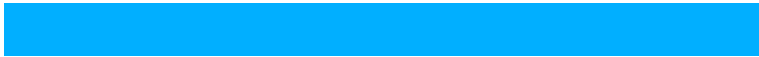
37.8864, 0.1948, 0.2210



37.8864, 0.2349, 0.2152

Triad

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



37.8864, 0.1948, 0.2210



37.8864, 0.4409, 0.3201



37.8864, 0.3103, 0.4581

Complementary

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



37.8864, 0.1948, 0.2210



27.2195, 0.5943, 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.



37.8864, 0.3821, 0.4649



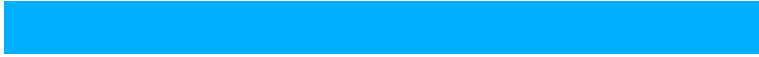
37.8864, 0.1948, 0.2210



37.8864, 0.4630, 0.3758

Square

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



37.8864, 0.1948, 0.2210



37.8864, 0.3778, 0.2700



37.8864, 0.4390, 0.4291



37.8864, 0.2431, 0.3987

Rectangle

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



37.8864, 0.1948, 0.2210



37.8864, 0.2760, 0.2246



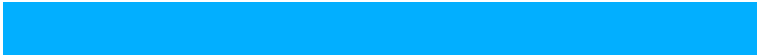
37.8864, 0.4390, 0.4291



37.8864, 0.3348, 0.4665

Sweetspot

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



37.8876, 0.1948, 0.2210



73.8173, 0.2663, 0.3022



72.0663, 0.2895, 0.5618



15.1351, 0.2600, 0.2978



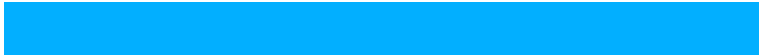
0.0000, 0.0000, 0.0000



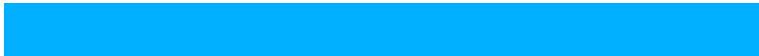
21.4041, 0.3127, 0.3290

Same Dimension

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



37.8876, 0.1948, 0.2210



37.6976, 0.1945, 0.2203



9.7026, 0.1551, 0.0780



19.4577, 0.2980, 0.3213



19.9779, 0.1951, 0.2223



2.1414, 0.1989, 0.2359

Inverse Universe

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



24.3855, 0.4221, 0.2101



24.3367, 0.4229, 0.2103



64.5855, 0.4602, 0.4725



18.1971, 0.3187, 0.3129



12.7447, 0.4208, 0.2092



1.2607, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 37.8864, 0.1948, 0.2210 looks on a white background.

Color Contrast Check

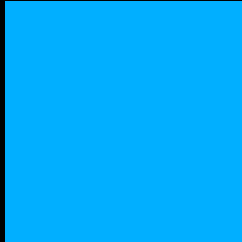
Large Text (above 18pt) WCAG AA × Fail

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 37.8864, 0.1948, 0.2210 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

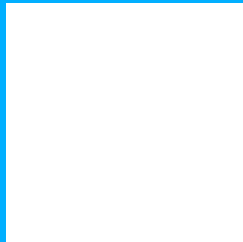
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8864, 0.1948, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 37.8864, 0.1948, 0.2210.



This preview shows how white text looks on a background with the Yxy color 37.8864, 0.1948, 0.2210.

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

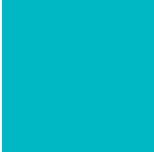
37.8864, 0.1948, 0.2210

Protanopia

37.6907, 0.2355, 0.2243

Deuteranopia

37.5528, 0.2196, 0.2133



Tritanopia

37.8525, 0.2189, 0.3081

Trichromacy



Original Color

37.8864, 0.1948, 0.2210

Protanomaly

36.4895, 0.2105, 0.2208

Deuteranomaly

36.7211, 0.2038, 0.2141

Tritanomaly

37.6587, 0.2093, 0.2731

Monochromacy



Original Color

37.8864, 0.1948, 0.2210

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

26.2854, 0.2368, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8864, 0.1948, 0.2210 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(1, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 255)  
}
```

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(1, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.8864, 0.1948, 0.2210 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(1, 175, 255) }
```

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

```
.border{ border-color:rgb(1, 175, 255) }
```

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

Here you see how a box with a 4 pixel rgb(1, 175, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8864, 0.1948, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 175, 255) }
```

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

```
.background{ background-color: rgb(1, 175,  
255) }
```

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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