

Converting Colors

$Y_{xy}(33.6224, 0.1580, 0.2160)$

Have a look what the booklet for
Yxy(33.6224, 0.1580, 0.2160)
contains.

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Color

Yxy(38.0789, 0.1960, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	00B0FC
RGB	0, 176, 252
RGB Percent	0%, 69%, 99%
CMY	0.9983, 0.3098, 0.0118
CMYK	1.00, 0.30, 0.00, 0.01
HSL	198°, 100%, 49%
HSV	198°, 100%, 99%
XYZ	33.0974, 38.0789, 97.6880
YIQ	132.0400, -129.2920, -13.6760

Conversions

Conversions Part 2

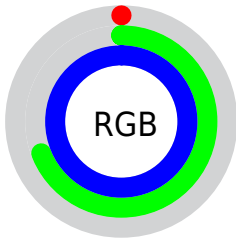
Format	Color
RYB	0, 104, 252
Decimal	45308
CIELab	68.08, -10.64, -47.93
CIELCh	68, 49.100, 257.483
Yxy	38.0789, 0.1960, 0.2255
Android (android.graphics.Color)	4278235388 (0xFF00B0FC)
YUV	132.0400, 59.1403, -115.7991
Hunter-Lab	61.7081, -12.2499, -50.6643

Details

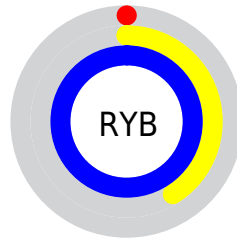
The Yxy color **38.0789, 0.1960, 0.2255** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **25.9215, 0.5985, 0.3628**, and the grayscale version is **22.9562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8166, 0.2359, 0.3001**, and **18.3554, 0.1902, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **38.0253, 0.1959, 0.2253**, and if you desaturate by 10%, it is **41.3615, 0.2007, 0.2369**.

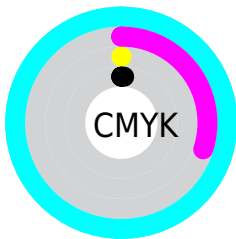
Distribution



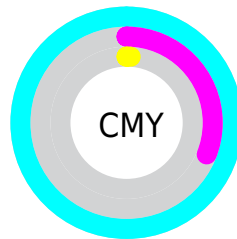
- Red (0%)
- Green (69%)
- Blue (99%)



- Red (0%)
- Yellow (41%)
- Blue (99%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (1%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0789, 0.1960, 0.2255 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 38.0789, 0.1960, 0.2255 by changing the saturation by 10% instead.


 38.0789, 0.1960,
0.2255


 38.0789, 0.1960,
0.2255


337.9583, 0.2523,
0.2771

 26.0439, 0.1830,
0.2132


 72.2291, 0.2157,
0.2439


 16.8565, 0.1671,
0.1978


 95.1130, 0.2234,
0.2510


 10.1322, 0.1474,
0.1784


 122.3821, 0.2299,
0.2569

 5.4867, 0.1226,
0.1533

 154.4207, 0.2356,
0.2621

 2.5356, 0.0916,
0.1208

 191.6133, 0.2406,
0.2666

 0.8944, 0.0526,
0.0797

234.3441, 0.2450,

 0.0000, 0.0000,

0.2705

0.0000

282.9977, 0.2489,
0.2740

■ 38.0789, 0.1960,
0.2255

■ 38.0789, 0.1960,
0.2255

■ 38.0253, 0.1959,
0.2253

■ 41.3615, 0.2007,
0.2369

■ 45.0855, 0.2072,
0.2484

■ 49.3358, 0.2158,
0.2600

■ 54.1652, 0.2263,
0.2716

■ 59.6184, 0.2385,
0.2827

■ 65.7346, 0.2521,
0.2934

■ 72.5492, 0.2667,
0.3035

■ 80.0947, 0.2820,
0.3128

■ 88.4012, 0.2975,
0.3214

Harmonies

Analogous

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



38.0789, 0.1857, 0.2606



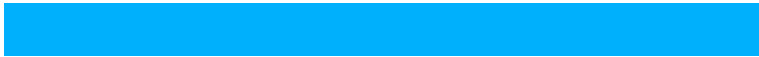
38.0789, 0.1960, 0.2255



38.0789, 0.2332, 0.2177

Triad

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



38.0789, 0.1960, 0.2255



38.0789, 0.4334, 0.3167



38.0789, 0.3162, 0.4561

Complementary

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



38.0789, 0.1960, 0.2255



25.9215, 0.5985, 0.3628

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.



38.0789, 0.3855, 0.4594



38.0789, 0.1960, 0.2255



38.0789, 0.4585, 0.3709

Square

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



38.0789, 0.1960, 0.2255



38.0789, 0.3703, 0.2684



38.0789, 0.4387, 0.4232



38.0789, 0.2497, 0.4021

Rectangle

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



38.0789, 0.1960, 0.2255



38.0789, 0.2722, 0.2258



38.0789, 0.4387, 0.4232



38.0789, 0.3399, 0.4630

Sweetspot

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



38.0801, 0.1960, 0.2255



74.3960, 0.2664, 0.3033



70.1349, 0.2896, 0.5624



15.2737, 0.2602, 0.2992



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.



38.0801, 0.1960, 0.2255



39.0487, 0.1959, 0.2252



9.3759, 0.1549, 0.0775



18.6715, 0.2980, 0.3217



20.0817, 0.1965, 0.2272



2.0460, 0.2002, 0.2408

Inverse Universe

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



23.8368, 0.4174, 0.2073



24.4731, 0.4177, 0.2074



62.7829, 0.4605, 0.4725



17.4300, 0.3184, 0.3126



12.4382, 0.4156, 0.2063



1.1708, 0.4015, 0.1985

Previews

White Background



This preview shows how the Yxy color 38.0789, 0.1960, 0.2255 looks on a white background.

Color Contrast Check

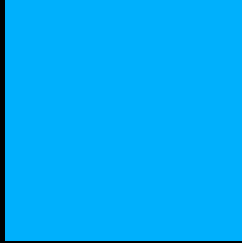
Large Text (above 18pt) WCAG AA × Fail

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 38.0789, 0.1960, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

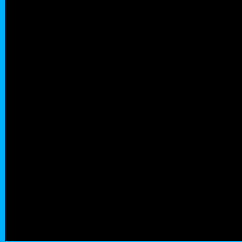
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

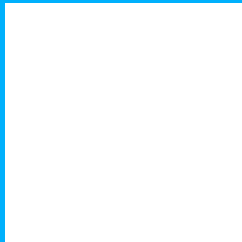
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0789, 0.1960, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 38.0789, 0.1960, 0.2255.



This preview shows how white text looks on a background with the Yxy color 38.0789, 0.1960, 0.2255.

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

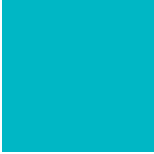
38.0789, 0.1960, 0.2255

Protanopia

37.6209, 0.2388, 0.2286

Deuteranopia

38.0522, 0.2209, 0.2149



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



Original Color

38.0789, 0.1960, 0.2255

Protanomaly

36.2929, 0.2124, 0.2249

Deuteranomaly

37.0682, 0.2048, 0.2165

Tritanomaly

37.6523, 0.2092, 0.2731

Monochromacy



Original Color

38.0789, 0.1960, 0.2255

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

26.1992, 0.2368, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0789, 0.1960, 0.2255 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, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 252)  
}
```

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, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 252) }
```

Border

The CSS property to change the border of an element to Yxy 38.0789, 0.1960, 0.2255 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, 176, 252) }
```

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

```
.border{ border-color:rgb(0, 176, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0789, 0.1960, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 252) }
```

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

```
.background{ background-color: rgb(0, 176,  
252) }
```

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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