

Converting Colors

$Yxy(37.6814, 0.1910, 0.2419)$

Have a look what the booklet for
Yxy(37.6814, 0.1910, 0.2419)
contains.

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Color

Yxy(38.9338, 0.2013, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	01B4F0
RGB	1, 180, 240
RGB Percent	0%, 71%, 94%
CMY	0.9966, 0.2941, 0.0589
CMYK	1.00, 0.25, 0.00, 0.06
HSL	195°, 99%, 47%
HSV	195°, 100%, 94%
XYZ	32.0547, 38.9338, 88.2499
YIQ	133.3190, -125.9440, -19.2880

Conversions

Conversions Part 2

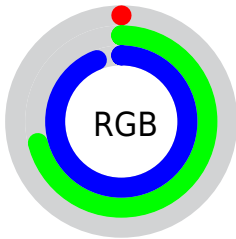
Format	Color
R _Y B	1, 103, 240
Decimal	111856
CIE Lab	68.70, -17.07, -40.43
CIE LCh	69, 43.887, 247.115
Yxy	38.9338, 0.2013, 0.2445
Android (android.graphics.Color)	4278301936 (0xFF01B4F0)
YUV	133.3190, 52.5937, -116.0438
Hunter-Lab	62.3970, -17.4953, -40.1778

Details

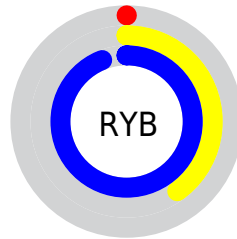
The Yxy color **38.9338, 0.2013, 0.2445** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.8455, 0.6093, 0.3541**, and the grayscale version is **23.3978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5259, 0.2365, 0.3062**, and **18.6394, 0.1957, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **38.8429, 0.2012, 0.2442**, and if you desaturate by 10%, it is **41.6183, 0.2054, 0.2538**.

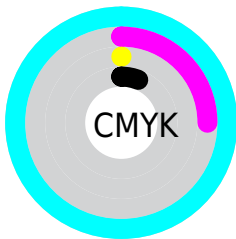
Distribution



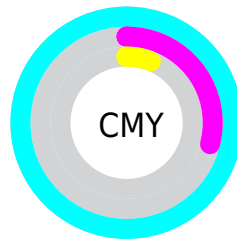
- Red (0%)
- Green (71%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9338, 0.2013, 0.2445 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 38.9338, 0.2013, 0.2445 by changing the saturation by 10% instead.

 38.9338, 0.2013,
0.2445


 38.9338, 0.2013,
0.2445


341.6090, 0.2553,
0.2877


 26.7082, 0.1887,
0.2338


 73.5372, 0.2203,
0.2602


 17.3542, 0.1732,
0.2203


 96.6838, 0.2276,
0.2661


 10.4874, 0.1538,
0.2027


 124.2395, 0.2339,
0.2711

 5.7233, 0.1290,
0.1793

 156.5888, 0.2393,
0.2754

 2.6776, 0.0974,
0.1474

 194.1159, 0.2441,
0.2791

 0.9658, 0.0539,
0.1044

237.2054, 0.2482,

 0.0000, 0.0000,

0.2823

0.0000

286.2416, 0.2520,
0.2852

■ 38.9338, 0.2013,
0.2445

■ 38.9338, 0.2013,
0.2445

■ 38.8429, 0.2012,
0.2442

■ 41.6183, 0.2054,
0.2538

■ 44.6535, 0.2113,
0.2632

■ 48.1138, 0.2191,
0.2727

■ 52.0446, 0.2289,
0.2820

■ 56.4845, 0.2405,
0.2911

■ 61.4672, 0.2535,
0.2999

■ 67.0233, 0.2676,
0.3081

■ 73.1805, 0.2825,
0.3158

■ 79.9647, 0.2978,
0.3228

Harmonies

Analogous

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



38.9338, 0.2009, 0.2859



38.9338, 0.2013, 0.2445



38.9338, 0.2271, 0.2285

Triad

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



38.9338, 0.2013, 0.2445



38.9338, 0.4033, 0.3026



38.9338, 0.3390, 0.4470

Complementary

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



38.9338, 0.2013, 0.2445



21.8455, 0.6093, 0.3541

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.



38.9338, 0.3977, 0.4376



38.9338, 0.2013, 0.2445



38.9338, 0.4392, 0.3511

Square

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



38.9338, 0.2013, 0.2445



38.9338, 0.3410, 0.2618



38.9338, 0.4357, 0.3997



38.9338, 0.2764, 0.4135

Rectangle

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



38.9338, 0.2013, 0.2445



38.9338, 0.2574, 0.2308



38.9338, 0.4357, 0.3997



38.9338, 0.3598, 0.4483

Sweetspot

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



38.9351, 0.2013, 0.2445



76.6246, 0.2669, 0.3077



62.6490, 0.2924, 0.5726



15.8086, 0.2609, 0.3043



0.0000, 0.0000, 0.0000



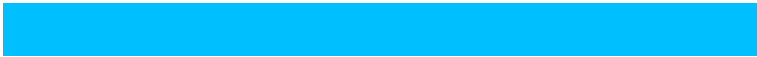
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9351, 0.2013, 0.2445



44.4931, 0.2011, 0.2439



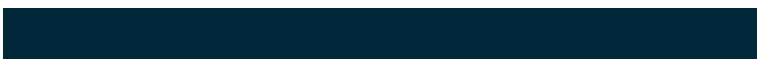
9.5948, 0.1576, 0.0870



17.2182, 0.2981, 0.3229



21.4889, 0.2016, 0.2457



1.9443, 0.2050, 0.2579

Inverse Universe

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



21.8359, 0.3977, 0.1966



25.0227, 0.3984, 0.1968



51.2483, 0.4724, 0.4629



15.9597, 0.3176, 0.3115



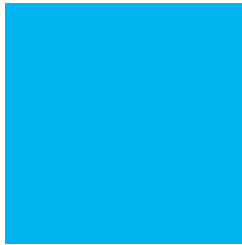
11.9627, 0.3966, 0.1958



1.0110, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 38.9338, 0.2013, 0.2445 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 38.9338, 0.2013, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

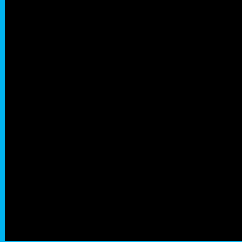
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9338, 0.2013, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 38.9338, 0.2013, 0.2445.



This preview shows how white text looks on a background with the Yxy color 38.9338, 0.2013, 0.2445.

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

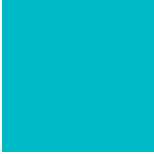
38.9402, 0.2013, 0.2445

Protanopia

38.4483, 0.2521, 0.2454

Deuteranopia

38.4497, 0.2348, 0.2288



Tritanopia

38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.9402, 0.2013, 0.2445



Protanomaly

36.9553, 0.2204, 0.2428



Deuteranomaly

37.1387, 0.2130, 0.2310



Tritanomaly

38.7220, 0.2117, 0.2819

Monochromacy



Original Color

38.9402, 0.2013, 0.2445



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.7225, 0.2406, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9338, 0.2013, 0.2445 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, 180, 240)` looks like.

```
.text, #text, p{  
  color:rgb(1, 180, 240)  
}
```

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, 180, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 180, 240) }
```

Border

The CSS property to change the border of an element to Yxy 38.9338, 0.2013, 0.2445 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, 180, 240) }
```

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

```
.border{ border-color:rgb(1, 180, 240) }
```

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

Here you see how a box with a 4 pixel rgb(1, 180, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 180, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 180, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 180,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9338, 0.2013, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 180, 240) }
```

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

```
.background{ background-color: rgb(1, 180,  
240) }
```

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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