

Converting Colors

$Y_{xy}(38.7491, 0.1971, 0.2238)$

Have a look what the booklet for
Yxy(38.7491, 0.1971, 0.2238)
contains.

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Color

Yxy(38.8839, 0.1972, 0.2243)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1AB1FF |
| RGB | 26, 177, 255 |
| RGB Percent | 10%, 69%, 100% |
| CMY | 0.8997, 0.3058, 0.0001 |
| CMYK | 0.90, 0.31, 0.00, 0.00 |
| HSL | 200°, 100%, 55% |
| HSV | 200°, 90%, 100% |
| XYZ | 34.1859, 38.8839, 100.2868 |
| YIQ | 140.7430, -115.0340, -7.7540 |

Conversions

Conversions Part 2

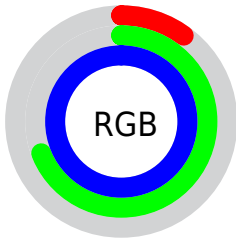
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 26, 117, 255 |
| Decimal | 1749503 |
| CIE Lab | 68.67, -9.36, -48.61 |
| CIE LCh | 69, 49.507, 259.099 |
| Yxy | 38.8839, 0.1972, 0.2243 |
| Android (android.graphics.Color) | 4279939583 (0xFF1AB1FF) |
| YUV | 140.7430, 56.3287, -100.6296 |
| Hunter-Lab | 62.3570, -11.2657, -51.7045 |

Details

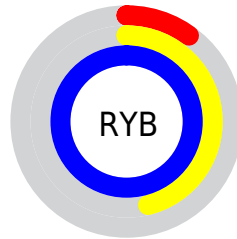
The Yxy color **38.8839, 0.1972, 0.2243** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **31.1352, 0.5650, 0.3798**, and the grayscale version is **26.2928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7848, 0.2383, 0.3014**, and **18.7444, 0.1897, 0.2029** is the 20% darker color. If you saturate the color by 10%, you get **35.3560, 0.1921, 0.2115**, and if you desaturate by 10%, it is **42.9099, 0.2042, 0.2374**.

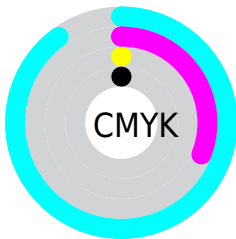
Distribution



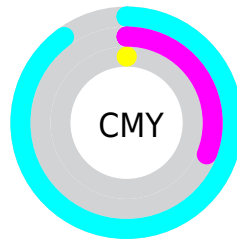
- Red (10%)
- Green (69%)
- Blue (100%)



- Red (10%)
- Yellow (46%)
- Blue (100%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8839, 0.1972, 0.2243 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 38.8839, 0.1972, 0.2243 by changing the saturation by 10% instead.


 38.8839, 0.1972,
0.2243


 38.8839, 0.1972,
0.2243


341.3966, 0.2528,
0.2761


 26.6694, 0.1844,
0.2120


 73.4609, 0.2166,
0.2427

 17.3251, 0.1688,
0.1968


 96.5923, 0.2242,
0.2498


 10.4666, 0.1494,
0.1775


 124.1313, 0.2307,
0.2558

 5.7094, 0.1251,
0.1528

 156.4625, 0.2363,
0.2610

 2.6692, 0.0946,
0.1208

 193.9703, 0.2412,
0.2655

 0.9616, 0.0572,
0.0805

237.0389, 0.2455,

 0.0000, 0.0000,

0.2695

0.0000

286.0529, 0.2494,
0.2730

■ 38.8839, 0.1972,
0.2243

■ 38.8839, 0.1972,
0.2243

■ 35.3560, 0.1921,
0.2115

■ 42.9099, 0.2042,
0.2374

■ 35.3441, 0.1921,
0.2114

■ 47.5184, 0.2133,
0.2506

■ 52.7666, 0.2244,
0.2637

■ 58.7016, 0.2371,
0.2765

■ 65.3649, 0.2512,
0.2887

■ 72.7943, 0.2661,
0.3001

■ 81.0242, 0.2816,
0.3106

■ 90.0866, 0.2972,
0.3203

■ 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



38.8839, 0.1854, 0.2579



38.8839, 0.1972, 0.2243



38.8839, 0.2359, 0.2179

Triad

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



38.8839, 0.1972, 0.2243



38.8839, 0.4361, 0.3195



38.8839, 0.3123, 0.4546

Complementary

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



38.8839, 0.1972, 0.2243



31.1352, 0.5650, 0.3798

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.



38.8839, 0.3820, 0.4606



38.8839, 0.1972, 0.2243



38.8839, 0.4587, 0.3739

Square

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



38.8839, 0.1972, 0.2243



38.8839, 0.3743, 0.2706



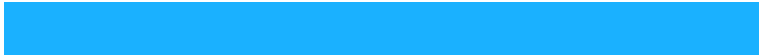
38.8839, 0.4367, 0.4258



38.8839, 0.2465, 0.3982

Rectangle

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



38.8839, 0.1972, 0.2243



38.8839, 0.2757, 0.2267



38.8839, 0.4367, 0.4258



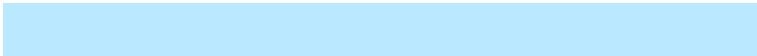
38.8839, 0.3361, 0.4625

Sweetspot

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



38.8852, 0.1972, 0.2243



75.1679, 0.2707, 0.3033



72.6766, 0.2840, 0.5351



15.5097, 0.2654, 0.2996



0.0000, 0.0000, 0.0000



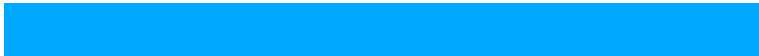
21.4041, 0.3127, 0.3290

Same Dimension

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



38.8852, 0.1972, 0.2243



35.3528, 0.1921, 0.2114



11.0787, 0.1597, 0.0872



19.3807, 0.2980, 0.3207



18.7605, 0.1927, 0.2136



2.0294, 0.1967, 0.2282

Inverse Universe

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



25.1505, 0.4179, 0.2122



24.1000, 0.4325, 0.2156



70.8198, 0.4467, 0.4781



18.1893, 0.3190, 0.3134



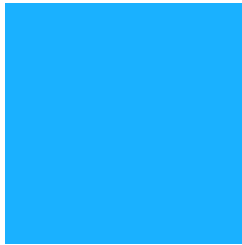
12.6219, 0.4302, 0.2144



1.2494, 0.4145, 0.2057

Previews

White Background



This preview shows how the Yxy color 38.8839, 0.1972, 0.2243 looks on a white background.

Color Contrast Check

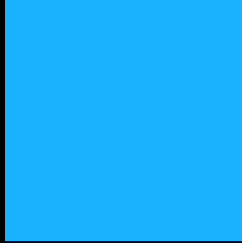
Large Text (above 18pt) WCAG AA × Fail

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 38.8839, 0.1972, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

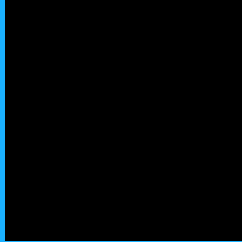
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

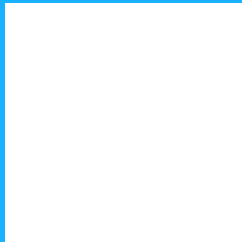
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8839, 0.1972, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 38.8839, 0.1972, 0.2243.



This preview shows how white text looks on a background with the Yxy color 38.8839, 0.1972, 0.2243.

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

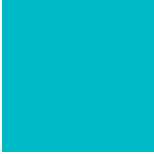
38.8839, 0.1972, 0.2243

Protanopia

38.3015, 0.2375, 0.2261

Deuteranopia

38.5574, 0.2222, 0.2165



Tritanopia

38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.8839, 0.1972, 0.2243

Protanomaly

37.3792, 0.2148, 0.2232

Deuteranomaly

37.9479, 0.2081, 0.2178

Tritanomaly

38.6284, 0.2099, 0.2736

Monochromacy



Original Color

38.8839, 0.1972, 0.2243

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

29.1413, 0.2445, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8839, 0.1972, 0.2243 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(26, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 177, 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(26, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.8839, 0.1972, 0.2243 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(26, 177, 255) }
```

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

```
.border{ border-color:rgb(26, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8839, 0.1972, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 177, 255) }
```

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

```
.background{ background-color: rgb(26, 177,  
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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