

Converting Colors

$Yxy(38.7706, 0.2033, 0.2291)$

Have a look what the booklet for
Yxy(38.7706, 0.2033, 0.2291)
contains.

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Color

Yxy(38.7935, 0.2032, 0.2291)

Conversions

Conversions Part 1

Format	Color
Hex	38B0FA
RGB	56, 176, 250
RGB Percent	22%, 69%, 98%
CMY	0.7808, 0.3098, 0.0195
CMYK	0.78, 0.30, 0.00, 0.02
HSL	203°, 95%, 60%
HSV	203°, 78%, 98%
XYZ	34.4079, 38.7935, 96.1286
YIQ	148.5560, -95.2740, -2.4260

Conversions

Conversions Part 2

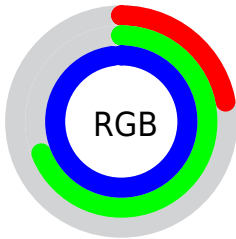
Format	Color
R _Y B	56, 130, 250
Decimal	3715322
CIE Lab	68.60, -8.31, -46.00
CIE LCh	69, 46.745, 259.758
Yxy	38.7935, 0.2032, 0.2291
Android (android.graphics.Color)	4281905402 (0xFF38B0FA)
YUV	148.5560, 50.0119, -81.1716
Hunter-Lab	62.2844, -10.3888, -47.9080

Details

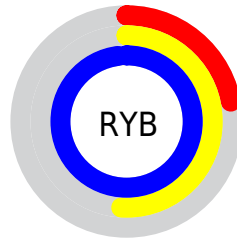
The Yxy color **38.7935, 0.2032, 0.2291** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **36.5474, 0.5178, 0.3934**, and the grayscale version is **29.6632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1177, 0.2428, 0.3006**, and **18.2656, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **34.6392, 0.1951, 0.2143**, and if you desaturate by 10%, it is **43.5718, 0.2134, 0.2441**.

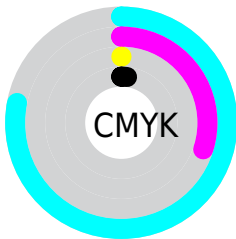
Distribution



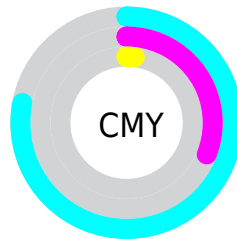
- Red (22%)
- Green (69%)
- Blue (98%)



- Red (22%)
- Yellow (51%)
- Blue (98%)



- Cyan (78%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)





- Cyan (78%)
- Magenta (31%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7935, 0.2032, 0.2291 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 38.7935, 0.2032, 0.2291 by changing the saturation by 10% instead.

 38.7935, 0.2032,
0.2291


 38.7935, 0.2032,
0.2291


341.0117, 0.2563,
0.2787

 26.5991, 0.1909,
0.2172


 73.3228, 0.2219,
0.2468


 17.2724, 0.1757,
0.2024


 96.4264, 0.2291,
0.2536

 10.4289, 0.1567,
0.1836


 123.9353, 0.2352,
0.2594

 5.6842, 0.1326,
0.1593

 156.2338, 0.2406,
0.2643

 2.6540, 0.1020,
0.1274

193.7063, 0.2453,
0.2686

 0.9539, 0.0635,
0.0862

236.7372, 0.2494,

 0.0000, 0.0000,

0.2724

0.0000

285.7109, 0.2530,
0.2758

■ 38.7935, 0.2032,
0.2291

■ 38.7935, 0.2032,
0.2291

■ 34.6392, 0.1951,
0.2143

■ 43.5718, 0.2134,
0.2441

■ 31.0371, 0.1892,
0.1998

■ 49.0225, 0.2255,
0.2588

■ 30.2477, 0.1879,
0.1965

■ 55.1921, 0.2392,
0.2731

■ 62.1207, 0.2539,
0.2867

■ 69.8449, 0.2694,
0.2993

■ 78.3982, 0.2851,
0.3110

■ 87.8121, 0.3009,
0.3216

■ 97.9457, 0.3157,
0.3312

■ 99.6831, 0.3156,
0.3338

Harmonies

Analogous

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



38.7935, 0.1913, 0.2609



38.7935, 0.2032, 0.2291



38.7935, 0.2409, 0.2232

Triad

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



38.7935, 0.2032, 0.2291



38.7935, 0.4302, 0.3216



38.7935, 0.3114, 0.4463

Complementary

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



38.7935, 0.2032, 0.2291



36.5474, 0.5178, 0.3934

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.



38.7935, 0.3777, 0.4539



38.7935, 0.2032, 0.2291



38.7935, 0.4509, 0.3737

Square

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



38.7935, 0.2032, 0.2291



38.7935, 0.3726, 0.2745



38.7935, 0.4298, 0.4226



38.7935, 0.2490, 0.3926

Rectangle

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



38.7935, 0.2032, 0.2291



38.7935, 0.2792, 0.2319



38.7935, 0.4298, 0.4226



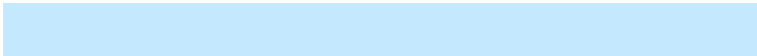
38.7935, 0.3340, 0.4543

Sweetspot

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



38.7948, 0.2032, 0.2291



77.0779, 0.2767, 0.3049



70.7522, 0.2791, 0.4980



15.8203, 0.2710, 0.3006



0.0000, 0.0000, 0.0000



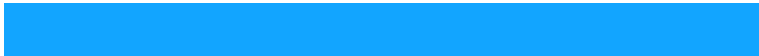
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7948, 0.2032, 0.2291



34.1113, 0.1916, 0.2063



13.7403, 0.1715, 0.1077



18.4320, 0.2980, 0.3197



16.3288, 0.1886, 0.1988



1.7170, 0.1934, 0.2160

Inverse Universe

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



26.2789, 0.4106, 0.2217



24.3896, 0.4376, 0.2214



73.9931, 0.4303, 0.4764



17.4058, 0.3197, 0.3144



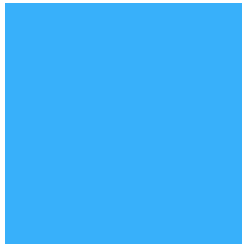
12.0593, 0.4466, 0.2234



1.1376, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 38.7935, 0.2032, 0.2291 looks on a white background.

Color Contrast Check

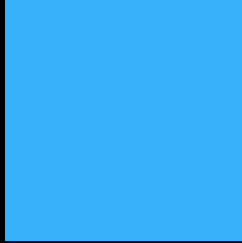
Large Text (above 18pt) WCAG AA × Fail

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 38.7935, 0.2032, 0.2291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

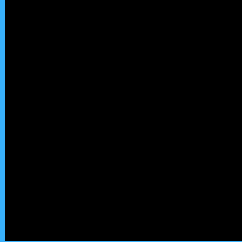
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

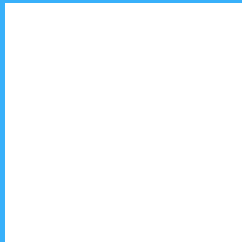
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7935, 0.2032, 0.2291

Background



This preview shows how black text looks on a background with the Yxy color 38.7935, 0.2032, 0.2291.



This preview shows how white text looks on a background with the Yxy color 38.7935, 0.2032, 0.2291.

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

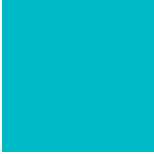
38.7935, 0.2032, 0.2291

Protanopia

38.1484, 0.2403, 0.2303

Deuteranopia

38.5858, 0.2251, 0.2198



Tritanopia

38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.7935, 0.2032, 0.2291

Protanomaly

37.8519, 0.2220, 0.2286

Deuteranomaly

38.3671, 0.2147, 0.2230

Tritanomaly

38.6666, 0.2111, 0.2751

Monochromacy



Original Color

38.7935, 0.2032, 0.2291

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9863, 0.2542, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7935, 0.2032, 0.2291 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(56, 176, 250)` looks like.

```
.text, #text, p{  
    color:rgb(56, 176, 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(56, 176, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 176, 250) }
```

Border

The CSS property to change the border of an element to Yxy 38.7935, 0.2032, 0.2291 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(56, 176, 250) }
```

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

```
.border{ border-color:rgb(56, 176, 250) }
```

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

Here you see how a box with a 4 pixel rgb(56, 176, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(56, 176,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7935, 0.2032, 0.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 176, 250) }
```

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

```
.background{ background-color: rgb(56, 176,  
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](#).

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