

Converting Colors

$Yxy(38.1055, 0.2061, 0.2315)$

Have a look what the booklet for
Yxy(38.1055, 0.2061, 0.2315)
contains.

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Color

Yxy(38.0159, 0.2058, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	40AEF6
RGB	64, 174, 246
RGB Percent	25%, 68%, 96%
CMY	0.7491, 0.3176, 0.0353
CMYK	0.74, 0.29, 0.00, 0.04
HSL	204°, 91%, 61%
HSV	204°, 74%, 96%
XYZ	33.8834, 38.0159, 92.7430
YIQ	149.3180, -88.6720, -0.9280

Conversions

Conversions Part 2

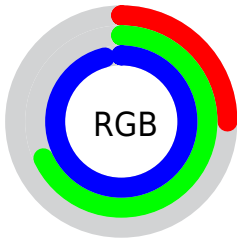
Format	Color
R _{YB}	64, 133, 246
Decimal	4239094
CIE Lab	68.03, -7.68, -44.70
CIE LCh	68, 45.356, 260.253
Yxy	38.0159, 0.2058, 0.2309
Android (android.graphics.Color)	4282429174 (0xFF40AEF6)
YUV	149.3180, 47.6642, -74.8239
Hunter-Lab	61.6570, -9.8058, -46.0226

Details

The Yxy color **38.0159, 0.2058, 0.2309** 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 **37.5639, 0.5031, 0.3959**, and the grayscale version is **30.0170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3270, 0.2440, 0.2983**, and **17.5932, 0.1912, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **33.7421, 0.1967, 0.2154**, and if you desaturate by 10%, it is **42.9280, 0.2170, 0.2464**.

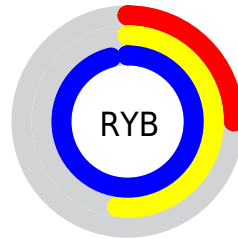
Distribution



Red (25%)

Green (68%)

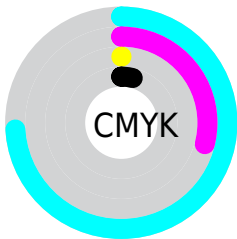
Blue (96%)



Red (25%)

Yellow (52%)

Blue (96%)

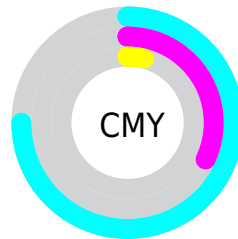


Cyan (74%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (75%)


Magenta (32%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0159, 0.2058, 0.2309 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 38.0159, 0.2058, 0.2309 by changing the saturation by 10% instead.


 38.0159, 0.2058,
0.2309


 38.0159, 0.2058,
0.2309


337.6882, 0.2579,
0.2799


 25.9950, 0.1936,
0.2191


 72.1325, 0.2242,
0.2484


 16.8199, 0.1785,
0.2044


 94.9970, 0.2313,
0.2551

 10.1062, 0.1595,
0.1856


 122.2449, 0.2374,
0.2608

 5.4694, 0.1353,
0.1611

 154.2605, 0.2426,
0.2657

 2.5252, 0.1042,
0.1288

191.4282, 0.2472,
0.2699

 0.8892, 0.0642,
0.0868

234.1325, 0.2512,

 0.0000, 0.0000,

0.2737

0.0000

282.7577, 0.2547,
0.2769

■ 38.0159, 0.2058,
0.2309

■ 38.0159, 0.2058,
0.2309

■ 33.7421, 0.1967,
0.2154

■ 42.9280, 0.2170,
0.2464

■ 30.0451, 0.1898,
0.2003

■ 48.5224, 0.2299,
0.2616

■ 28.0546, 0.1865,
0.1914

■ 54.8425, 0.2442,
0.2762

■ 61.9260, 0.2594,
0.2900

■ 69.8076, 0.2751,
0.3028

■ 78.5192, 0.2909,
0.3145

■ 88.0908, 0.3066,
0.3251

■ 97.4387, 0.3181,
0.3346

■ 99.4341, 0.3179,
0.3376

Harmonies

Analogous

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



38.0159, 0.1937, 0.2618



38.0159, 0.2058, 0.2309



38.0159, 0.2433, 0.2254

Triad

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



38.0159, 0.2058, 0.2309



38.0159, 0.4281, 0.3228



38.0159, 0.3106, 0.4427

Complementary

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



38.0159, 0.2058, 0.2309



37.5639, 0.5031, 0.3959

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.



38.0159, 0.3756, 0.4513



38.0159, 0.2058, 0.2309



38.0159, 0.4478, 0.3739

Square

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



38.0159, 0.2058, 0.2309



38.0159, 0.3724, 0.2763



38.0159, 0.4267, 0.4216



38.0159, 0.2496, 0.3899

Rectangle

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



38.0159, 0.2058, 0.2309



38.0159, 0.2811, 0.2341



38.0159, 0.4267, 0.4216



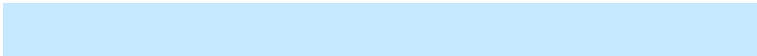
38.0159, 0.3327, 0.4509

Sweetspot

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



38.0172, 0.2058, 0.2309



77.5191, 0.2782, 0.3052



68.7173, 0.2777, 0.4849



16.0660, 0.2739, 0.3018



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.



38.0172, 0.2058, 0.2309



34.4623, 0.1929, 0.2075



14.2733, 0.1760, 0.1141



17.5935, 0.2980, 0.3194



15.2554, 0.1872, 0.1939



1.5410, 0.1924, 0.2126

Inverse Universe

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



26.3135, 0.4078, 0.2260



24.8180, 0.4357, 0.2231



73.6879, 0.4242, 0.4751



16.6508, 0.3199, 0.3148



11.6394, 0.4523, 0.2265



1.0432, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 38.0159, 0.2058, 0.2309 looks on a white background.

Color Contrast Check

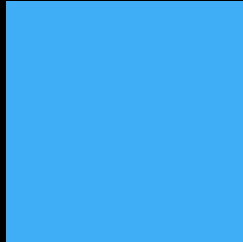
Large Text (above 18pt) WCAG AA × Fail

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 38.0159, 0.2058, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

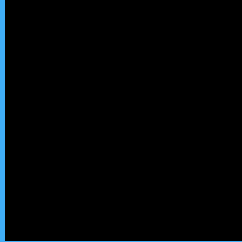
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

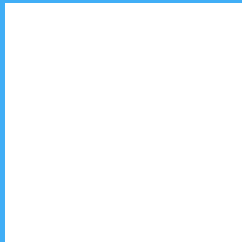
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0159, 0.2058, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 38.0159, 0.2058, 0.2309.



This preview shows how white text looks on a background with the Yxy color 38.0159, 0.2058, 0.2309.

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

38.0159, 0.2058, 0.2309

Protanopia

37.5595, 0.2423, 0.2331

Deuteranopia

37.6882, 0.2270, 0.2212

Trichromacy



Original Color

38.0159, 0.2058, 0.2309

Protanomaly

37.0744, 0.2248, 0.2304

Deuteranomaly

37.6042, 0.2174, 0.2247

Monochromacy



Original Color

38.0159, 0.2058, 0.2309

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.7660, 0.2575, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0159, 0.2058, 0.2309 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(64, 174, 246)` looks like.

```
.text, #text, p{  
    color:rgb(64, 174, 246)  
}
```

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(64, 174, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 174, 246) }
```

Border

The CSS property to change the border of an element to Yxy 38.0159, 0.2058, 0.2309 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(64, 174, 246) }
```

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

```
.border{ border-color:rgb(64, 174, 246) }
```

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

Here you see how a box with a 4 pixel rgb(64, 174, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 174, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 174, 246);  
box-shadow:4px 4px 4px 4px rgb(64, 174,  
246) }
```

Background

The CSS property to change the background color of an element to Yxy 38.0159, 0.2058, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 174, 246) }
```

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

```
.background{ background-color: rgb(64, 174,  
246) }
```

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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