

Converting Colors

$Y_{xy}(38.7538, 0.2218, 0.2587)$

Have a look what the booklet for
Yxy(38.7538, 0.2218, 0.2587)
contains.

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Color

Yxy(38.9137, 0.2221, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	56B1E2
RGB	86, 177, 226
RGB Percent	34%, 69%, 89%
CMY	0.6623, 0.3059, 0.1138
CMYK	0.62, 0.22, 0.00, 0.11
HSL	201°, 71%, 61%
HSV	201°, 62%, 89%
XYZ	33.2925, 38.9137, 77.6925
YIQ	155.3770, -69.9650, -4.0530

Conversions

Conversions Part 2

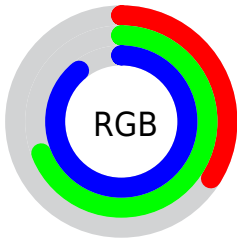
Format	Color
R _Y B	86, 141, 226
Decimal	5681634
CIE Lab	68.69, -12.58, -32.70
CIE LCh	69, 35.040, 248.959
Yxy	38.9137, 0.2221, 0.2596
Android (android.graphics.Color)	4283871714 (0xFF56B1E2)
YUV	155.3770, 34.8171, -60.8436
Hunter-Lab	62.3808, -13.9015, -30.1764

Details

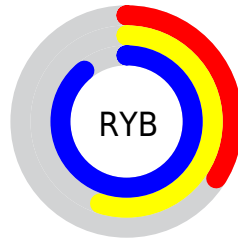
The Yxy color **38.9137, 0.2221, 0.2596** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.1963, 0.4680, 0.3836**, and the grayscale version is **32.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7009, 0.2507, 0.3035**, and **17.3176, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **34.9685, 0.2112, 0.2461**, and if you desaturate by 10%, it is **43.3822, 0.2347, 0.2728**.

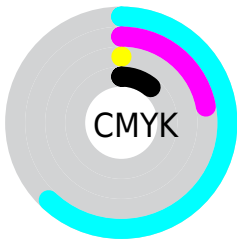
Distribution



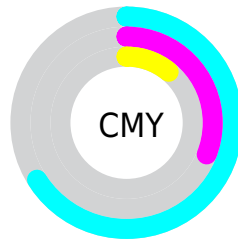
- Red (34%)
- Green (69%)
- Blue (89%)



- Red (34%)
- Yellow (55%)
- Blue (89%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)





- Cyan (66%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9137, 0.2221, 0.2596 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 38.9137, 0.2221, 0.2596 by changing the saturation by 10% instead.


 38.9137, 0.2221,
0.2596


 38.9137, 0.2221,
0.2596


341.5234, 0.2668,
0.2952


 26.6926, 0.2114,
0.2506


 73.5065, 0.2381,
0.2727

 17.3425, 0.1979,
0.2391


 96.6469, 0.2442,
0.2775

 10.4790, 0.1805,
0.2239


 124.1959, 0.2493,
0.2817

 5.7177, 0.1577,
0.2031

 156.5379, 0.2538,
0.2852

 2.6742, 0.1268,
0.1736

194.0573, 0.2577,
0.2882

 0.9641, 0.0823,
0.1307

237.1384, 0.2611,

 0.0000, 0.0000,

0.2909

0.0000

286.1656, 0.2641,
0.2932

■ 38.9137, 0.2221,
0.2596

■ 38.9137, 0.2221,
0.2596

■ 34.9685, 0.2112,
0.2461

■ 43.3822, 0.2347,
0.2728

■ 31.5062, 0.2023,
0.2325

■ 48.4016, 0.2486,
0.2853

■ 28.4851, 0.1955,
0.2191

■ 54.0021, 0.2634,
0.2972

■ 26.3043, 0.1913,
0.2085

■ 60.2099, 0.2788,
0.3082

■ 67.0496, 0.2943,
0.3183

■ 74.5439, 0.3098,
0.3274

■ 82.7144, 0.3250,
0.3356

■ 89.2541, 0.3315,
0.3432

■ 94.0246, 0.3306,
0.3508

Harmonies

Analogous

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



38.9137, 0.2207, 0.2930



38.9137, 0.2221, 0.2596



38.9137, 0.2451, 0.2466

Triad

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



38.9137, 0.2221, 0.2596



38.9137, 0.3875, 0.3107



38.9137, 0.3321, 0.4211

Complementary

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



38.9137, 0.2221, 0.2596



34.1963, 0.4680, 0.3836

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.



38.9137, 0.3798, 0.4181



38.9137, 0.2221, 0.2596



38.9137, 0.4144, 0.3513

Square

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



38.9137, 0.2221, 0.2596



38.9137, 0.3392, 0.2759



38.9137, 0.4108, 0.3905



38.9137, 0.2815, 0.3924

Rectangle

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



38.9137, 0.2221, 0.2596



38.9137, 0.2711, 0.2489



38.9137, 0.4108, 0.3905



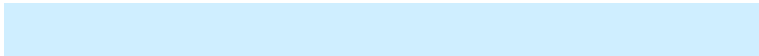
38.9137, 0.3490, 0.4236

Sweetspot

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



38.9151, 0.2221, 0.2596



81.5873, 0.2831, 0.3111



58.1168, 0.2815, 0.4619



16.9278, 0.2786, 0.3081



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.



38.9151, 0.2221, 0.2596



44.7440, 0.2087, 0.2426



18.0094, 0.1985, 0.1565



14.7221, 0.2982, 0.3206



15.2402, 0.1918, 0.2105



1.2224, 0.1975, 0.2309

Inverse Universe

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



26.0138, 0.3772, 0.2302



28.8617, 0.3964, 0.2184



60.5020, 0.4126, 0.4549



13.8498, 0.3191, 0.3139



10.4466, 0.4335, 0.2162



0.7409, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 38.9137, 0.2221, 0.2596 looks on a white background.

Color Contrast Check

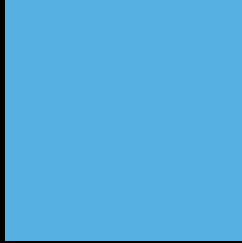
Large Text (above 18pt) WCAG AA × Fail

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 38.9137, 0.2221, 0.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

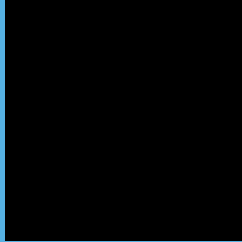
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

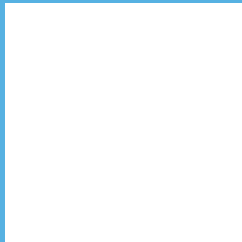
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9137, 0.2221, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 38.9137, 0.2221, 0.2596.

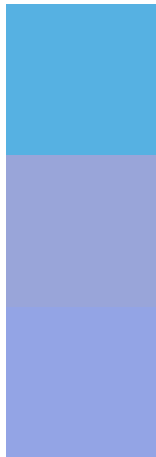


This preview shows how white text looks on a background with the Yxy color 38.9137, 0.2221, 0.2596.

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

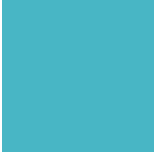
38.9137, 0.2221, 0.2596

Protanopia

38.6923, 0.2628, 0.2599

Deuteranopia

38.4111, 0.2508, 0.2442



Tritanopia

38.8648, 0.2319, 0.3057

Trichromacy



Original Color

38.9137, 0.2221, 0.2596

Protanomaly

38.2104, 0.2451, 0.2590

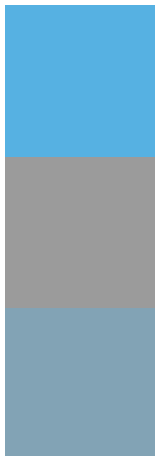
Deuteranomaly

38.3373, 0.2382, 0.2492

Tritanomaly

38.7744, 0.2278, 0.2871

Monochromacy



Original Color

38.9137, 0.2221, 0.2596

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.2764, 0.2697, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9137, 0.2221, 0.2596 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(86, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(86, 177, 226)  
}
```

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(86, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 177, 226) }
```

Border

The CSS property to change the border of an element to Yxy 38.9137, 0.2221, 0.2596 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(86, 177, 226) }
```

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

```
.border{ border-color:rgb(86, 177, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 177, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(86, 177,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9137, 0.2221, 0.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 177, 226) }
```

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

```
.background{ background-color: rgb(86, 177,  
226) }
```

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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