

Converting Colors

$Y_{xy}(38.5909, 0.2201, 0.2438)$

Have a look what the booklet for
Yxy(38.5909, 0.2201, 0.2438)
contains.

Yxy(38.7079, 0.2200, 0.2441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.7079, 0.2200, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	5EAEEC
RGB	94, 174, 236
RGB Percent	37%, 68%, 93%
CMY	0.6316, 0.3176, 0.0746
CMYK	0.60, 0.26, 0.00, 0.07
HSL	206°, 79%, 65%
HSV	206°, 60%, 93%
XYZ	34.8863, 38.7079, 84.9798
YIQ	157.1480, -67.5820, 2.3220

Conversions

Conversions Part 2

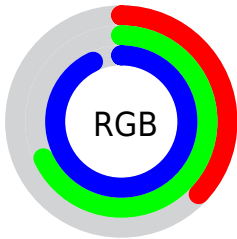
Format	Color
R _Y B	94, 145, 236
Decimal	6205164
CIE Lab	68.54, -6.40, -38.38
CIE LCh	69, 38.913, 260.535
Yxy	38.7079, 0.2200, 0.2441
Android (android.graphics.Color)	4284395244 (0xFF5EAEEC)
YUV	157.1480, 38.8740, -55.3808
Hunter-Lab	62.2157, -8.7869, -37.4327

Details

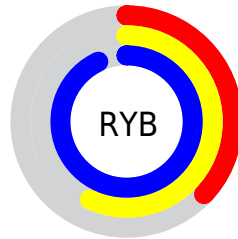
The Yxy color **38.7079, 0.2200, 0.2441** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **42.3885, 0.4528, 0.3959**, and the grayscale version is **33.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2272, 0.2537, 0.2990**, and **17.2660, 0.1954, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **33.8199, 0.2075, 0.2270**, and if you desaturate by 10%, it is **44.2848, 0.2341, 0.2607**.

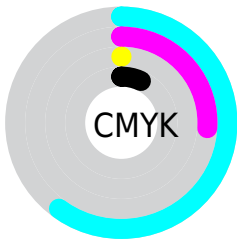
Distribution



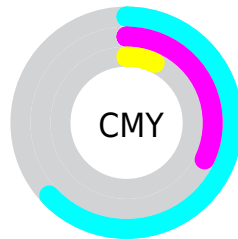
- Red (37%)
- Green (68%)
- Blue (93%)



- Red (37%)
- Yellow (57%)
- Blue (93%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)





- Cyan (63%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7079, 0.2200, 0.2441 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 38.7079, 0.2200, 0.2441 by changing the saturation by 10% instead.


 38.7079, 0.2200,
0.2441


 38.7079, 0.2200,
0.2441


340.6470, 0.2657,
0.2868


 26.5326, 0.2091,
0.2337


 73.1919, 0.2363,
0.2595


 17.2225, 0.1954,
0.2205


 96.2693, 0.2425,
0.2653

 10.3932, 0.1780,
0.2034


 123.7496, 0.2478,
0.2703

 5.6605, 0.1552,
0.1808

 156.0170, 0.2524,
0.2745

 2.6397, 0.1248,
0.1498

193.4561, 0.2563,
0.2782

 0.9467, 0.0840,
0.1071

236.4512, 0.2598,

 0.0000, 0.0000,

0.2814

0.0000

285.3867, 0.2629,
0.2842

■ 38.7079, 0.2200,
0.2441

■ 38.7079, 0.2200,
0.2441

■ 33.8199, 0.2075,
0.2270

■ 44.2848, 0.2341,
0.2607

■ 29.5739, 0.1970,
0.2099

■ 50.5845, 0.2492,
0.2766

■ 25.9213, 0.1887,
0.1930

■ 57.6431, 0.2650,
0.2915

■ 22.8367, 0.1826,
0.1772

■ 65.4924, 0.2810,
0.3052

■ 74.1623, 0.2969,
0.3176

83.6806, 0.3124,
0.3288

93.2809, 0.3246,
0.3389

98.8354, 0.3238,
0.3473

Harmonies

Analogous

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



38.7079, 0.2092, 0.2717



38.7079, 0.2200, 0.2441



38.7079, 0.2534, 0.2388

Triad

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



38.7079, 0.2200, 0.2441



38.7079, 0.4113, 0.3251



38.7079, 0.3114, 0.4242

Complementary

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



38.7079, 0.2200, 0.2441



42.3885, 0.4528, 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.



38.7079, 0.3674, 0.4335



38.7079, 0.2200, 0.2441



38.7079, 0.4283, 0.3701

Square

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



38.7079, 0.2200, 0.2441



38.7079, 0.3644, 0.2839



38.7079, 0.4110, 0.4104



38.7079, 0.2586, 0.3799

Rectangle

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



38.7079, 0.2200, 0.2441



38.7079, 0.2865, 0.2465



38.7079, 0.4110, 0.4104



38.7079, 0.3305, 0.4315

Sweetspot

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



38.7093, 0.2200, 0.2441



80.1911, 0.2844, 0.3079



64.7442, 0.2761, 0.4408



16.5446, 0.2797, 0.3041



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.



38.7093, 0.2200, 0.2441



39.1928, 0.2051, 0.2234



18.2156, 0.1980, 0.1464



15.9579, 0.2981, 0.3185



12.8518, 0.1833, 0.1798



1.2001, 0.1895, 0.2023

Inverse Universe

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



28.8831, 0.3908, 0.2442



28.9084, 0.4148, 0.2340



73.3132, 0.4031, 0.4622



15.1963, 0.3205, 0.3158



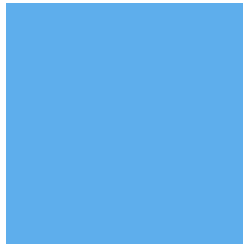
10.7902, 0.4688, 0.2356



0.8666, 0.4427, 0.2212

Previews

White Background



This preview shows how the Yxy color 38.7079, 0.2200, 0.2441 looks on a white background.

Color Contrast Check

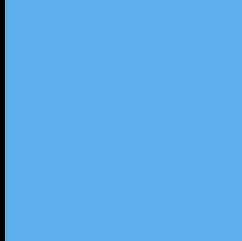
Large Text (above 18pt) WCAG AA × Fail

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 38.7079, 0.2200, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

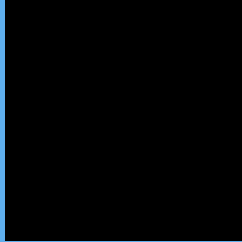
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

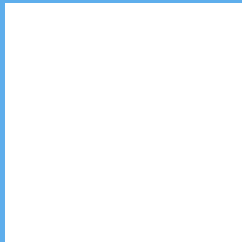
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7079, 0.2200, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 38.7079, 0.2200, 0.2441.

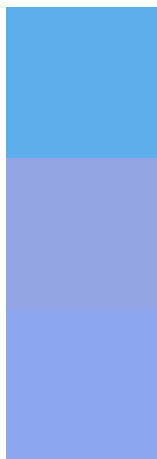


This preview shows how white text looks on a background with the Yxy color 38.7079, 0.2200, 0.2441.

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

38.7079, 0.2200, 0.2441

Protanopia

38.3554, 0.2514, 0.2452

Deuteranopia

38.5723, 0.2405, 0.2347



Tritanopia

38.5698, 0.2336, 0.3057

Trichromacy



Original Color

38.7079, 0.2200, 0.2441

Protanomaly

38.3640, 0.2382, 0.2448

Deuteranomaly

38.3306, 0.2322, 0.2376

Tritanomaly

38.3829, 0.2280, 0.2801

Monochromacy



Original Color

38.7079, 0.2200, 0.2441

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.8079, 0.2692, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7079, 0.2200, 0.2441 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(94, 174, 236)` looks like.

```
.text, #text, p{  
  color:rgb(94, 174, 236)  
}
```

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(94, 174, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 174, 236) }
```

Border

The CSS property to change the border of an element to Yxy 38.7079, 0.2200, 0.2441 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(94, 174, 236) }
```

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

```
.border{ border-color:rgb(94, 174, 236) }
```

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

Here you see how a box with a 4 pixel rgb(94, 174, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 174, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 174, 236);  
box-shadow:4px 4px 4px 4px rgb(94, 174,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7079, 0.2200, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 174, 236) }
```

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

```
.background{ background-color: rgb(94, 174,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor