

Converting Colors

$Yxy(38.8942, 0.2189, 0.2454)$

Have a look what the booklet for
Yxy(38.8942, 0.2189, 0.2454)
contains.

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Color

Yxy(38.8897, 0.2187, 0.2452)

Conversions

Conversions Part 1

Format	Color
Hex	5AAFEC
RGB	90, 175, 236
RGB Percent	35%, 69%, 93%
CMY	0.6470, 0.3137, 0.0745
CMYK	0.62, 0.26, 0.00, 0.07
HSL	205°, 79%, 64%
HSV	205°, 62%, 93%
XYZ	34.6867, 38.8897, 85.0276
YIQ	156.5390, -70.2410, 0.9510

Conversions

Conversions Part 2

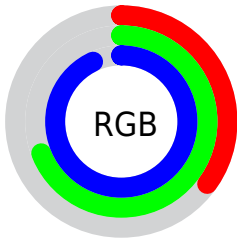
Format	Color
R _Y B	90, 144, 236
Decimal	5943276
CIE Lab	68.67, -7.65, -38.19
CIE LCh	69, 38.949, 258.669
Yxy	38.8897, 0.2187, 0.2452
Android (android.graphics.Color)	4284133356 (0xFF5AAFE _C)
YUV	156.5390, 39.1743, -58.3547
Hunter-Lab	62.3616, -9.8478, -37.1865

Details

The Yxy color **38.8897, 0.2187, 0.2452** 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 **40.7072, 0.4601, 0.3943**, and the grayscale version is **33.3471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3929, 0.2520, 0.3001**, and **17.4612, 0.1951, 0.2224** is the 20% darker color. If you saturate the color by 10%, you get **34.1900, 0.2068, 0.2288**, and if you desaturate by 10%, it is **44.2480, 0.2323, 0.2612**.

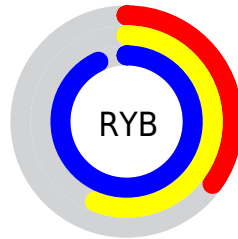
Distribution



Red (35%)

Green (69%)

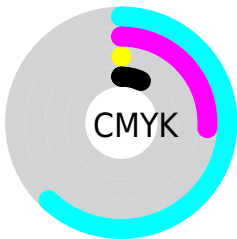
Blue (93%)



Red (35%)

Yellow (56%)

Blue (93%)

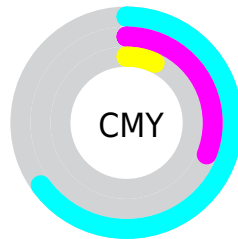


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (65%)


Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8897, 0.2187, 0.2452 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 38.8897, 0.2187, 0.2452 by changing the saturation by 10% instead.


 38.8897, 0.2187,
0.2452


 38.8897, 0.2187,
0.2452


341.4213, 0.2649,
0.2874


 26.6739, 0.2077,
0.2349


 73.4698, 0.2352,
0.2604

 17.3285, 0.1939,
0.2218


 96.6029, 0.2414,
0.2662

 10.4690, 0.1763,
0.2048


 124.1439, 0.2468,
0.2711

 5.7110, 0.1534,
0.1823

 156.4772, 0.2514,
0.2753

 2.6702, 0.1229,
0.1514

193.9872, 0.2555,
0.2789

 0.9621, 0.0820,
0.1087

237.0583, 0.2590,

 0.0000, 0.0000,

0.2821

0.0000

286.0749, 0.2621,
0.2849

■ 38.8897, 0.2187,
0.2452

■ 38.8897, 0.2187,
0.2452

■ 34.1900, 0.2068,
0.2288

■ 44.2480, 0.2323,
0.2612

■ 30.1018, 0.1969,
0.2125

■ 50.2987, 0.2470,
0.2765

■ 26.5760, 0.1892,
0.1964

■ 57.0774, 0.2626,
0.2908

■ 24.0573, 0.1844,
0.1838

■ 64.6157, 0.2784,
0.3041

■ 72.9429, 0.2943,
0.3162

82.0866, 0.3099,
0.3271

92.0316, 0.3248,
0.3369

98.1260, 0.3239,
0.3463

98.8356, 0.3238,
0.3473

Harmonies

Analogous

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



38.8897, 0.2093, 0.2742



38.8897, 0.2187, 0.2452



38.8897, 0.2508, 0.2385

Triad

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



38.8897, 0.2187, 0.2452



38.8897, 0.4091, 0.3224



38.8897, 0.3150, 0.4258

Complementary

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



38.8897, 0.2187, 0.2452



40.7072, 0.4601, 0.3943

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.



38.8897, 0.3706, 0.4328



38.8897, 0.2187, 0.2452



38.8897, 0.4282, 0.3673

Square

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



38.8897, 0.2187, 0.2452



38.8897, 0.3609, 0.2817



38.8897, 0.4129, 0.4082



38.8897, 0.2615, 0.3833

Rectangle

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



38.8897, 0.2187, 0.2452



38.8897, 0.2831, 0.2454



38.8897, 0.4129, 0.4082



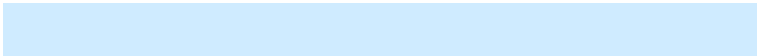
38.8897, 0.3341, 0.4323

Sweetspot

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



38.8911, 0.2187, 0.2452



79.6979, 0.2829, 0.3076



64.3899, 0.2768, 0.4480



16.4697, 0.2783, 0.3040



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.



38.8911, 0.2187, 0.2452



39.5006, 0.2042, 0.2248



17.7701, 0.1955, 0.1440



16.0059, 0.2981, 0.3189



13.5236, 0.1851, 0.1863



1.2513, 0.1911, 0.2080

Inverse Universe

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



28.2428, 0.3903, 0.2397



28.3323, 0.4140, 0.2297



71.7883, 0.4066, 0.4630



15.2011, 0.3202, 0.3154



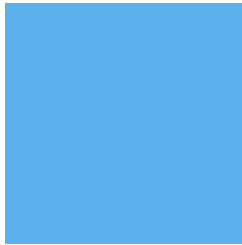
10.8580, 0.4611, 0.2314



0.8717, 0.4364, 0.2178

Previews

White Background



This preview shows how the Yxy color 38.8897, 0.2187, 0.2452 looks on a white background.

Color Contrast Check

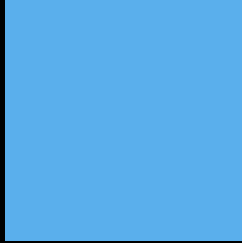
Large Text (above 18pt) WCAG AA × Fail

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 38.8897, 0.2187, 0.2452 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

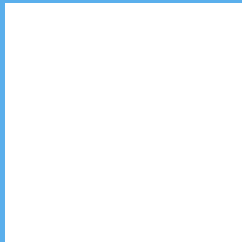
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8897, 0.2187, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 38.8897, 0.2187, 0.2452.

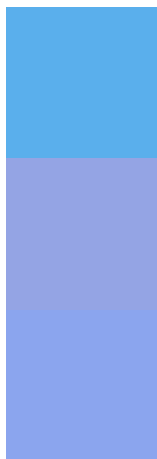


This preview shows how white text looks on a background with the Yxy color 38.8897, 0.2187, 0.2452.

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

38.8897, 0.2187, 0.2452

Protanopia

38.4483, 0.2521, 0.2454

Deuteranopia

38.5723, 0.2405, 0.2347



Tritanopia

38.8267, 0.2315, 0.3057

Trichromacy



Original Color

38.8897, 0.2187, 0.2452

Protanomaly

38.2868, 0.2376, 0.2446

Deuteranomaly

38.5553, 0.2313, 0.2387

Tritanomaly

38.5630, 0.2264, 0.2814

Monochromacy



Original Color

38.8897, 0.2187, 0.2452

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.0826, 0.2686, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8897, 0.2187, 0.2452 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(90, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(90, 175, 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(90, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 175, 236) }
```

Border

The CSS property to change the border of an element to Yxy 38.8897, 0.2187, 0.2452 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(90, 175, 236) }
```

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

```
.border{ border-color:rgb(90, 175, 236) }
```

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

Here you see how a box with a 4 pixel rgb(90, 175, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(90, 175,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8897, 0.2187, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 175, 236) }
```

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

```
.background{ background-color: rgb(90, 175,  
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](#).

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