

Converting Colors

$Yxy(38.8830, 0.2185, 0.2482)$

Have a look what the booklet for
Yxy(38.8830, 0.2185, 0.2482)
contains.

Yxy(39.0174, 0.2187, 0.2487)	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(39.0174, 0.2187, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	57B0EA
RGB	87, 176, 234
RGB Percent	34%, 69%, 92%
CMY	0.6585, 0.3098, 0.0824
CMYK	0.63, 0.25, 0.00, 0.08
HSL	204°, 78%, 63%
HSV	204°, 63%, 92%
XYZ	34.3108, 39.0174, 83.5572
YIQ	156.0010, -71.6620, -0.8300

Conversions

Conversions Part 2

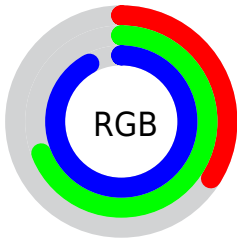
Format	Color
RYB	87, 142, 234
Decimal	5746922
CIELab	68.76, -9.35, -36.96
CIElCh	69, 38.126, 255.809
Yxy	39.0174, 0.2187, 0.2487
Android (android.graphics.Color)	4283937002 (0xFF57B0EA)
YUV	156.0010, 38.4535, -60.5139
Hunter-Lab	62.4639, -11.2635, -35.5867

Details

The Yxy color **39.0174, 0.2187, 0.2487** 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 **38.4539, 0.4659, 0.3912**, and the grayscale version is **33.1044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7614, 0.2512, 0.3012**, and **17.6297, 0.1965, 0.2272** is the 20% darker color. If you saturate the color by 10%, you get **34.5681, 0.2073, 0.2333**, and if you desaturate by 10%, it is **44.0809, 0.2318, 0.2638**.

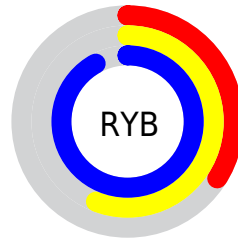
Distribution



Red (34%)

Green (69%)

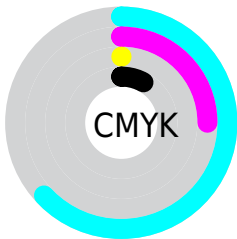
Blue (92%)



Red (34%)

Yellow (56%)

Blue (92%)

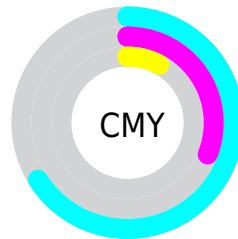


Cyan (63%)

Magenta (25%)

Yellow (0%)

Black (8%)



Cyan (66%)

Magenta (31%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0174, 0.2187, 0.2487 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 39.0174, 0.2187, 0.2487 by changing the saturation by 10% instead.

■ 39.0174, 0.2187,
0.2487

■ 39.0174, 0.2187,
0.2487

■ 341.9645, 0.2649,
0.2893

■ 26.7733, 0.2077,
0.2387

■ 73.6649, 0.2352,
0.2634

■ 17.4030, 0.1939,
0.2260

■ 96.8371, 0.2414,
0.2690

■ 10.5222, 0.1763,
0.2094

■ 124.4207, 0.2468,
0.2737

■ 5.7466, 0.1533,
0.1872

■ 156.8001, 0.2514,
0.2777

■ 2.6916, 0.1227,
0.1566

■ 194.3599, 0.2554,
0.2812

■ 0.9729, 0.0812,
0.1138

■ 237.4842, 0.2590,

■ 0.0000, 0.0000,

0.2843

0.0000

286.5576, 0.2621,
0.2869

■ 39.0174, 0.2187,
0.2487

■ 39.0174, 0.2187,
0.2487

■ 34.5681, 0.2073,
0.2333

■ 44.0809, 0.2318,
0.2638

■ 30.6873, 0.1979,
0.2179

■ 49.7911, 0.2462,
0.2782

■ 27.3270, 0.1908,
0.2027

■ 56.1823, 0.2614,
0.2918

■ 25.1730, 0.1867,
0.1921

■ 63.2847, 0.2771,
0.3044

■ 71.1266, 0.2929,
0.3159

■ 79.7341, 0.3084,
0.3263

■ 89.1322, 0.3236,
0.3356

■ 95.5044, 0.3255,
0.3445

■ 98.7200, 0.3250,
0.3493

Harmonies

Analogous

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



39.0174, 0.2117, 0.2794



39.0174, 0.2187, 0.2487



39.0174, 0.2482, 0.2401

Triad

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



39.0174, 0.2187, 0.2487



39.0174, 0.4034, 0.3185



39.0174, 0.3204, 0.4257

Complementary

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



39.0174, 0.2187, 0.2487



38.4539, 0.4659, 0.3912

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.



39.0174, 0.3742, 0.4293



39.0174, 0.2187, 0.2487



39.0174, 0.4254, 0.3625

Square

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



39.0174, 0.2187, 0.2487



39.0174, 0.3544, 0.2793



39.0174, 0.4135, 0.4033



39.0174, 0.2672, 0.3871

Rectangle

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



39.0174, 0.2187, 0.2487



39.0174, 0.2788, 0.2456



39.0174, 0.4135, 0.4033



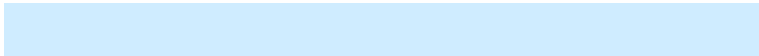
39.0174, 0.3391, 0.4310

Sweetspot

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



39.0188, 0.2187, 0.2487



80.3388, 0.2829, 0.3088



62.8658, 0.2789, 0.4573



16.6249, 0.2784, 0.3054



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.



39.0188, 0.2187, 0.2487



40.7431, 0.2047, 0.2293



17.9147, 0.1952, 0.1472



16.0659, 0.2981, 0.3195



14.3992, 0.1873, 0.1944



1.3174, 0.1931, 0.2150

Inverse Universe

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



27.4544, 0.3874, 0.2354



28.1736, 0.4097, 0.2253



67.7294, 0.4108, 0.4605



15.2072, 0.3198, 0.3148



10.9464, 0.4517, 0.2262



0.8784, 0.4286, 0.2135

Previews

White Background



This preview shows how the Yxy color 39.0174, 0.2187, 0.2487 looks on a white background.

Color Contrast Check

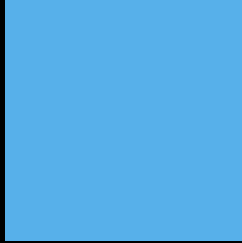
Large Text (above 18pt) WCAG AA × Fail

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 39.0174, 0.2187, 0.2487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

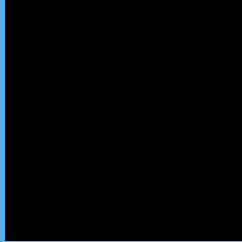
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

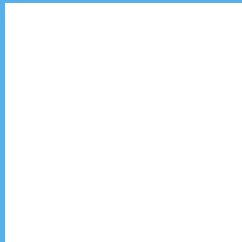
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0174, 0.2187, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 39.0174, 0.2187, 0.2487.

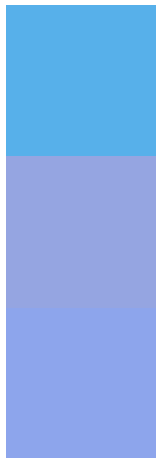


This preview shows how white text looks on a background with the Yxy color 39.0174, 0.2187, 0.2487.

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

39.0174, 0.2187, 0.2487

Protanopia

38.7361, 0.2548, 0.2502

Deuteranopia

38.6291, 0.2429, 0.2371



Tritanopia

39.2094, 0.2307, 0.3058

Trichromacy



Original Color

39.0174, 0.2187, 0.2487

Protanomaly

38.4130, 0.2388, 0.2493

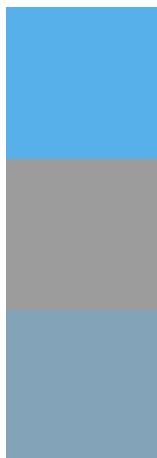
Deuteranomaly

38.4390, 0.2323, 0.2409

Tritanomaly

38.8822, 0.2260, 0.2829

Monochromacy



Original Color

39.0174, 0.2187, 0.2487

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4804, 0.2683, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0174, 0.2187, 0.2487 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(87, 176, 234)` looks like.

```
.text, #text, p{  
    color:rgb(87, 176, 234)  
}
```

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(87, 176, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 176, 234) }
```

Border

The CSS property to change the border of an element to Yxy 39.0174, 0.2187, 0.2487 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(87, 176, 234) }
```

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

```
.border{ border-color:rgb(87, 176, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 176, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 176, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 176, 234);  
box-shadow:4px 4px 4px 4px rgb(87, 176,  
234) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.0174, 0.2187, 0.2487$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 176, 234) }
```

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

```
.background{ background-color: rgb(87, 176,  
234) }
```

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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