

Converting Colors

$Yxy(39.8735, 0.2184, 0.2433)$

Have a look what the booklet for
Yxy(39.8735, 0.2184, 0.2433)
contains.

Yxy(40.0109, 0.2185, 0.2438)	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(40.0109, 0.2185, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	5CB1F0
RGB	92, 177, 240
RGB Percent	36%, 69%, 94%
CMY	0.6392, 0.3058, 0.0590
CMYK	0.62, 0.26, 0.00, 0.06
HSL	206°, 83%, 65%
HSV	206°, 62%, 94%
XYZ	35.8588, 40.0109, 88.2439
YIQ	158.7670, -70.8830, 1.5730

Conversions

Conversions Part 2

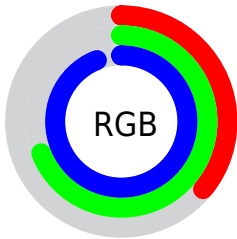
Format	Color
R _Y B	92, 146, 240
Decimal	6074864
CIE Lab	69.48, -7.15, -39.09
CIE LCh	69, 39.741, 259.640
Yxy	40.0109, 0.2185, 0.2438
Android (android.graphics.Color)	4284264944 (0xFF5CB1F0)
YUV	158.7670, 40.0479, -58.5547
Hunter-Lab	63.2542, -9.5030, -38.4357

Details

The Yxy color **40.0109, 0.2185, 0.2438** 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 **42.7184, 0.4588, 0.3954**, and the grayscale version is **34.3970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7055, 0.2533, 0.3025**, and **18.1279, 0.1947, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **35.0822, 0.2064, 0.2271**, and if you desaturate by 10%, it is **45.6354, 0.2322, 0.2601**.

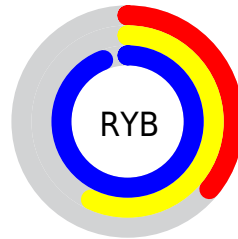
Distribution



Red (36%)

Green (69%)

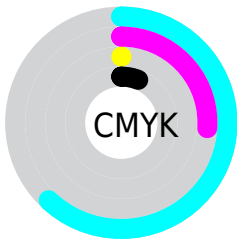
Blue (94%)



Red (36%)

Yellow (57%)

Blue (94%)

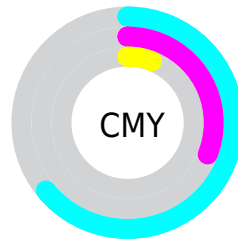


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (64%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0109, 0.2185, 0.2438 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 40.0109, 0.2185, 0.2438 by changing the saturation by 10% instead.

■ 40.0109, 0.2185,
0.2438

■ 40.0109, 0.2185,
0.2438

■ 346.1695, 0.2646,
0.2864

■ 27.5470, 0.2076,
0.2334

■ 75.1801, 0.2349,
0.2591

■ 17.9845, 0.1940,
0.2204

■ 98.6543, 0.2411,
0.2649

■ 10.9389, 0.1767,
0.2036

■ 126.5673, 0.2465,
0.2699

■ 6.0257, 0.1542,
0.1813

■ 159.3036, 0.2511,
0.2741

■ 2.8607, 0.1244,
0.1511

■ 197.2476, 0.2551,
0.2778

■ 1.0595, 0.0851,
0.1096

■ 240.7836, 0.2586,

■ 0.0000, 0.0000,

0.2810

0.0000

290.2961, 0.2618,
0.2839

■ 40.0109, 0.2185,
0.2438

■ 40.0109, 0.2185,
0.2438

■ 35.0822, 0.2064,
0.2271

■ 45.6354, 0.2322,
0.2601

■ 30.8002, 0.1964,
0.2104

■ 51.9912, 0.2471,
0.2757

■ 27.1133, 0.1886,
0.1941

■ 59.1158, 0.2627,
0.2903

■ 24.4287, 0.1836,
0.1809

■ 67.0424, 0.2787,
0.3038

■ 75.8017, 0.2946,
0.3162

■ 85.4228, 0.3102,
0.3273

■ 94.9780, 0.3220,
0.3373

■ 99.0693, 0.3215,
0.3435

Harmonies

Analogous

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



40.0109, 0.2083, 0.2723



40.0109, 0.2185, 0.2438



40.0109, 0.2515, 0.2378

Triad

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



40.0109, 0.2185, 0.2438



40.0109, 0.4113, 0.3237



40.0109, 0.3131, 0.4261

Complementary

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



40.0109, 0.2185, 0.2438



42.7184, 0.4588, 0.3954

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.



40.0109, 0.3694, 0.4342



40.0109, 0.2185, 0.2438



40.0109, 0.4295, 0.3690

Square

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



40.0109, 0.2185, 0.2438



40.0109, 0.3632, 0.2824



40.0109, 0.4129, 0.4101



40.0109, 0.2594, 0.3821

Rectangle

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



40.0109, 0.2185, 0.2438



40.0109, 0.2846, 0.2452



40.0109, 0.4129, 0.4101



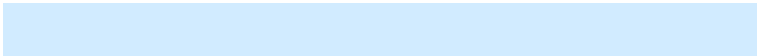
40.0109, 0.3324, 0.4331

Sweetspot

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



40.0123, 0.2185, 0.2438



80.4767, 0.2844, 0.3084



66.8967, 0.2769, 0.4477



16.6143, 0.2798, 0.3047



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.



40.0123, 0.2185, 0.2438



38.9378, 0.2036, 0.2228



18.5305, 0.1958, 0.1444



16.7368, 0.2980, 0.3187



13.6461, 0.1843, 0.1834



1.3320, 0.1901, 0.2044

Inverse Universe

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



29.3474, 0.3916, 0.2410



28.2755, 0.4161, 0.2311



74.5783, 0.4065, 0.4628



15.9111, 0.3203, 0.3155



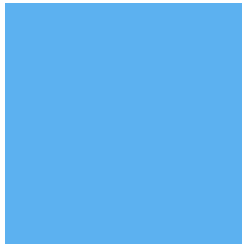
11.1709, 0.4645, 0.2332



0.9492, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 40.0109, 0.2185, 0.2438 looks on a white background.

Color Contrast Check

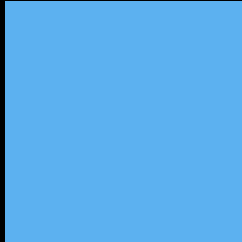
Large Text (above 18pt) WCAG AA × Fail

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 40.0109, 0.2185, 0.2438 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

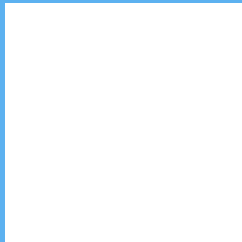
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0109, 0.2185, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 40.0109, 0.2185, 0.2438.



This preview shows how white text looks on a background with the Yxy color 40.0109, 0.2185, 0.2438.

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

40.0109, 0.2185, 0.2438

Protanopia

39.4882, 0.2507, 0.2439

Deuteranopia

39.6237, 0.2395, 0.2334



Tritanopia

40.2379, 0.2324, 0.3075

Trichromacy



Original Color

40.0109, 0.2185, 0.2438

Protanomaly

39.3368, 0.2366, 0.2431

Deuteranomaly

39.6876, 0.2310, 0.2375

Tritanomaly

40.0164, 0.2268, 0.2821

Monochromacy



Original Color

40.0109, 0.2185, 0.2438

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.0542, 0.2690, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0109, 0.2185, 0.2438 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(92, 177, 240)` looks like.

```
.text, #text, p{  
    color:rgb(92, 177, 240)  
}
```

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(92, 177, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 177, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.0109, 0.2185, 0.2438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

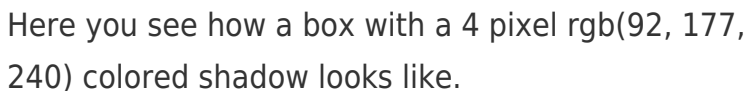
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 177, 240) }
```

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

```
.border{ border-color:rgb(92, 177, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 177, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 177, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 177, 240);  
box-shadow:4px 4px 4px 4px rgb(92, 177,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0109, 0.2185, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 177, 240) }
```

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

```
.background{ background-color: rgb(92, 177,  
240) }
```

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