

Converting Colors

$Y_{xy}(39.8658, 0.2415, 0.2814)$

Have a look what the booklet for
Yxy(39.8658, 0.2415, 0.2814)
contains.

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Color

Yxy(39.9234, 0.2416, 0.2818)

Conversions

Conversions Part 1

Format	Color
Hex	6FB2D3
RGB	111, 178, 211
RGB Percent	44%, 70%, 83%
CMY	0.5649, 0.3019, 0.1726
CMYK	0.47, 0.16, 0.00, 0.17
HSL	200°, 53%, 63%
HSV	200°, 47%, 83%
XYZ	34.2282, 39.9234, 67.5213
YIQ	161.7290, -50.5250, -3.9410

Conversions

Conversions Part 2

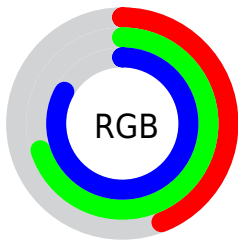
Format	Color
R _Y B	111, 151, 211
Decimal	7320275
CIE Lab	69.41, -12.44, -23.28
CIE LCh	69, 26.399, 241.887
Yxy	39.9234, 0.2416, 0.2818
Android (android.graphics.Color)	4285510355 (0xFF6FB2D3)
YUV	161.7290, 24.2906, -44.4893
Hunter-Lab	63.1850, -13.8778, -19.1295

Details

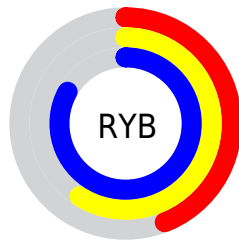
The Yxy color **39.9234, 0.2416, 0.2818** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.9205, 0.4210, 0.3704**, and the grayscale version is **35.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2811, 0.2606, 0.3053**, and **17.8244, 0.2218, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **36.0163, 0.2287, 0.2698**, and if you desaturate by 10%, it is **44.2970, 0.2557, 0.2933**.

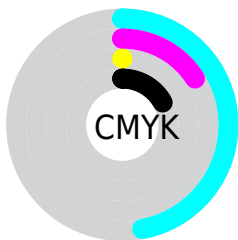
Distribution



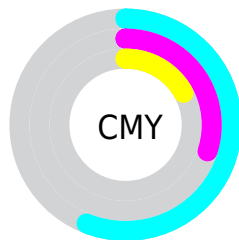
- Red (44%)
- Green (70%)
- Blue (83%)



- Red (44%)
- Yellow (59%)
- Blue (83%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (56%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9234, 0.2416, 0.2818 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 39.9234, 0.2416, 0.2818 by changing the saturation by 10% instead.

■ 39.9234, 0.2416,
0.2818

■ 39.9234, 0.2416,
0.2818

■ 345.8006, 0.2770,
0.3063

■ 27.4788, 0.2329,
0.2755

■ 75.0469, 0.2544,
0.2909

■ 17.9332, 0.2218,
0.2672

■ 98.4945, 0.2592,
0.2943

■ 10.9020, 0.2074,
0.2561

■ 126.3787, 0.2633,
0.2971

■ 6.0010, 0.1877,
0.2405

■ 159.0837, 0.2668,
0.2995

■ 2.8457, 0.1599,
0.2171

■ 196.9940, 0.2699,
0.3015

■ 1.0517, 0.1174,
0.1797

■ 240.4940, 0.2726,

■ 0.0000, 0.0000,

0.3033

0.0000

289.9681, 0.2749,
0.3049

■ 39.9234, 0.2416,
0.2818

■ 39.9234, 0.2416,
0.2818

■ 36.0163, 0.2287,
0.2698

■ 44.2970, 0.2557,
0.2933

■ 32.5461, 0.2173,
0.2573

■ 49.1555, 0.2706,
0.3040

■ 29.4860, 0.2078,
0.2447

■ 54.5214, 0.2859,
0.3139

■ 26.8031, 0.2003,
0.2320

■ 60.4144, 0.3013,
0.3229

■ 24.4533, 0.1948,
0.2196

■ 66.8530, 0.3167,
0.3310

■ 23.8803, 0.1935,
0.2164

■ 73.8546, 0.3316,
0.3383

■ 80.7368, 0.3434,
0.3449

■ 84.6123, 0.3422,
0.3518

■ 88.6431, 0.3411,
0.3585

Harmonies

Analogous

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



39.9234, 0.2448, 0.3110



39.9234, 0.2416, 0.2818



39.9234, 0.2558, 0.2672

Triad

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



39.9234, 0.2416, 0.2818



39.9234, 0.3611, 0.3087



39.9234, 0.3373, 0.3984

Complementary

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



39.9234, 0.2416, 0.2818



34.9205, 0.4210, 0.3704

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.



39.9234, 0.3707, 0.3928



39.9234, 0.2416, 0.2818



39.9234, 0.3856, 0.3398

Square

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



39.9234, 0.2416, 0.2818



39.9234, 0.3235, 0.2832



39.9234, 0.3890, 0.3704



39.9234, 0.2986, 0.3821

Rectangle

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



39.9234, 0.2416, 0.2818



39.9234, 0.2739, 0.2662



39.9234, 0.3890, 0.3704



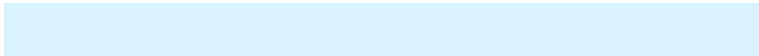
39.9234, 0.3495, 0.3989

Sweetspot

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



39.9249, 0.2416, 0.2818



86.5662, 0.2909, 0.3169



51.9314, 0.2880, 0.4301



18.1172, 0.2876, 0.3149



0.0000, 0.0000, 0.0000



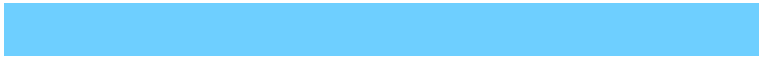
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9249, 0.2416, 0.2818



55.1788, 0.2284, 0.2695



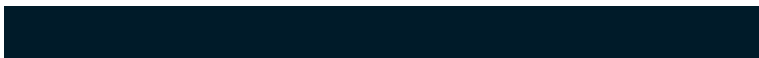
23.8583, 0.2280, 0.2076



12.7229, 0.2983, 0.3212



14.6080, 0.1940, 0.2183



0.9587, 0.2003, 0.2410

Inverse Universe

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



28.4217, 0.3545, 0.2483



36.8456, 0.3673, 0.2331



52.9788, 0.3917, 0.4259



11.9400, 0.3187, 0.3135



9.5460, 0.4251, 0.2115



0.5481, 0.4013, 0.1984

Previews

White Background



This preview shows how the Yxy color 39.9234, 0.2416, 0.2818 looks on a white background.

Color Contrast Check

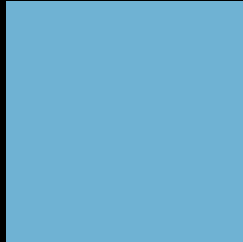
Large Text (above 18pt) WCAG AA × Fail

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 39.9234, 0.2416, 0.2818 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 39.9234, 0.2416, 0.2818

Background



This preview shows how black text looks on a background with the Yxy color 39.9234, 0.2416, 0.2818.

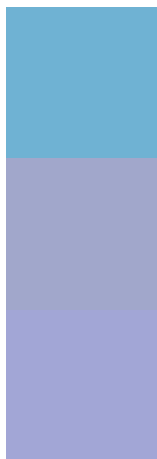


This preview shows how white text looks on a background with the Yxy color 39.9234, 0.2416, 0.2818.

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

39.9234, 0.2416, 0.2818

Protanopia

39.5263, 0.2789, 0.2806

Deuteranopia

39.8089, 0.2718, 0.2660



Tritanopia

40.0520, 0.2485, 0.3080

Trichromacy



Original Color

39.9234, 0.2416, 0.2818

Protanomaly

39.4217, 0.2636, 0.2806

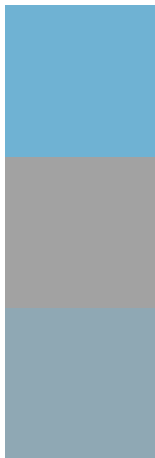
Deuteranomaly

39.3932, 0.2589, 0.2704

Tritanomaly

40.0477, 0.2460, 0.2981

Monochromacy



Original Color

39.9234, 0.2416, 0.2818

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1402, 0.2814, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9234, 0.2416, 0.2818 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(111, 178, 211)` looks like.

```
.text, #text, p{  
    color:rgb(111, 178, 211)  
}
```

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(111, 178, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 178, 211) }
```

Border

The CSS property to change the border of an element to Yxy 39.9234, 0.2416, 0.2818 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(111, 178, 211) }
```

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

```
.border{ border-color:rgb(111, 178, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 178, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 178, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 178, 211);  
box-shadow:4px 4px 4px 4px rgb(111, 178,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9234, 0.2416, 0.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 178, 211) }
```

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

```
.background{ background-color: rgb(111,  
178, 211) }
```

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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