

Converting Colors

$Y_{xy}(39.8971, 0.2155, 0.2539)$

Have a look what the booklet for
Yxy(39.8971, 0.2155, 0.2539)
contains.

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Color

Yxy(39.9816, 0.2158, 0.2549)

Conversions

Conversions Part 1

Format	Color
Hex	4AB4E9
RGB	74, 180, 233
RGB Percent	29%, 71%, 91%
CMY	0.7101, 0.2941, 0.0863
CMYK	0.68, 0.23, 0.00, 0.09
HSL	200°, 78%, 60%
HSV	200°, 68%, 91%
XYZ	33.8487, 39.9816, 83.0218
YIQ	154.3480, -80.1890, -5.9890

Conversions

Conversions Part 2

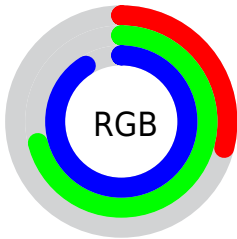
Format	Color
RYB	74, 138, 233
Decimal	4895977
CIELab	69.46, -13.94, -35.38
CIElCh	69, 38.023, 248.496
Yxy	39.9816, 0.2158, 0.2549
Android (android.graphics.Color)	4283086057 (0xFF4AB4E9)
YUV	154.3480, 38.7754, -70.4652
Hunter-Lab	63.2310, -15.1000, -33.5856

Details

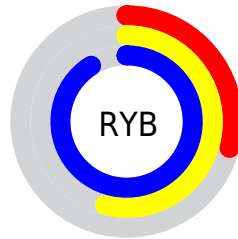
The Yxy color **39.9816, 0.2158, 0.2549** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **32.9756, 0.4933, 0.3835**, and the grayscale version is **32.3218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6999, 0.2477, 0.3068**, and **18.3531, 0.1985, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **36.1772, 0.2064, 0.2420**, and if you desaturate by 10%, it is **44.3065, 0.2271, 0.2676**.

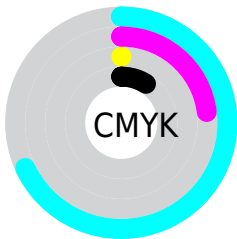
Distribution



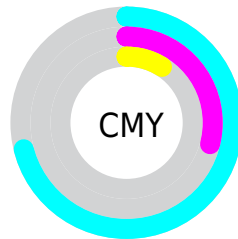
- Red (29%)
- Green (71%)
- Blue (91%)



- Red (29%)
- Yellow (54%)
- Blue (91%)



- Cyan (68%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)





- Cyan (71%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9816, 0.2158, 0.2549 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 39.9816, 0.2158, 0.2549 by changing the saturation by 10% instead.


 39.9816, 0.2158,
0.2549


 39.9816, 0.2158,
0.2549

346.0460, 0.2631,
0.2927

 27.5242, 0.2046,
0.2455


 75.1355, 0.2326,
0.2687


 17.9673, 0.1906,
0.2334


 98.6008, 0.2390,
0.2739

 10.9265, 0.1728,
0.2177

 126.5041, 0.2445,
0.2782

 6.0174, 0.1496,
0.1964

 159.2300, 0.2493,
0.2820

 2.8557, 0.1190,
0.1667

197.1627, 0.2534,
0.2852

 1.0569, 0.0771,
0.1245

240.6867, 0.2570,

 0.0000, 0.0000,

0.2880

0.0000

290.1863, 0.2603,
0.2905

■ 39.9816, 0.2158,
0.2549

■ 39.9816, 0.2158,
0.2549

■ 36.1772, 0.2064,
0.2420

■ 44.3065, 0.2271,
0.2676

■ 32.8462, 0.1991,
0.2292

■ 49.1843, 0.2400,
0.2799

■ 29.9301, 0.1938,
0.2166

■ 54.6490, 0.2541,
0.2916

■ 29.4527, 0.1929,
0.2145

■ 60.7301, 0.2690,
0.3026

■ 67.4548, 0.2844,
0.3128

■ 74.8482, 0.2999,
0.3220

■ 82.9342, 0.3154,
0.3304

■ 90.7094, 0.3268,
0.3379

■ 95.4310, 0.3261,
0.3454

Harmonies

Analogous

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



39.9816, 0.2146, 0.2907



39.9816, 0.2158, 0.2549



39.9816, 0.2398, 0.2411

Triad

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



39.9816, 0.2158, 0.2549



39.9816, 0.3925, 0.3085



39.9816, 0.3339, 0.4288

Complementary

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



39.9816, 0.2158, 0.2549



32.9756, 0.4933, 0.3835

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.



39.9816, 0.3850, 0.4242



39.9816, 0.2158, 0.2549



39.9816, 0.4219, 0.3516

Square

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



39.9816, 0.2158, 0.2549



39.9816, 0.3401, 0.2718



39.9816, 0.4183, 0.3937



39.9816, 0.2797, 0.3984

Rectangle

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



39.9816, 0.2158, 0.2549



39.9816, 0.2672, 0.2434



39.9816, 0.4183, 0.3937



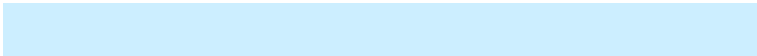
39.9816, 0.3521, 0.4310

Sweetspot

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



39.9830, 0.2158, 0.2549



81.2126, 0.2816, 0.3110



61.1930, 0.2829, 0.4860



16.8754, 0.2772, 0.3082



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.



39.9830, 0.2158, 0.2549



42.6404, 0.2031, 0.2367



17.0560, 0.1887, 0.1438



16.2273, 0.2981, 0.3210



16.9494, 0.1935, 0.2164



1.5065, 0.1983, 0.2338

Inverse Universe

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



25.5079, 0.3832, 0.2207



26.7235, 0.4039, 0.2116



60.9249, 0.4254, 0.4596



15.2235, 0.3189, 0.3134



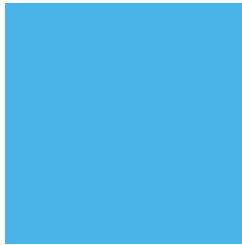
11.2039, 0.4271, 0.2126



0.8975, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 39.9816, 0.2158, 0.2549 looks on a white background.

Color Contrast Check

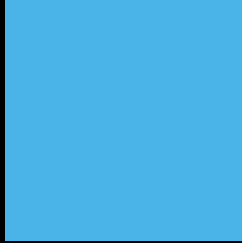
Large Text (above 18pt) WCAG AA × Fail

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 39.9816, 0.2158, 0.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

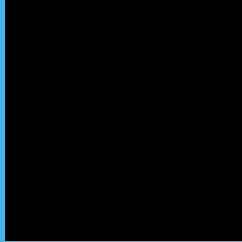
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

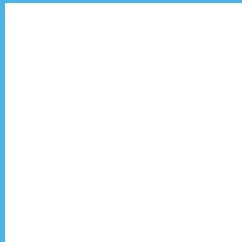
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9816, 0.2158, 0.2549

Background



This preview shows how black text looks on a background with the Yxy color 39.9816, 0.2158, 0.2549.

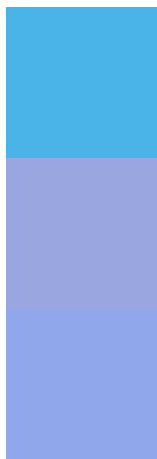


This preview shows how white text looks on a background with the Yxy color 39.9816, 0.2158, 0.2549.

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

39.9816, 0.2158, 0.2549

Protanopia

39.3725, 0.2591, 0.2544

Deuteranopia

39.7133, 0.2459, 0.2404



Tritanopia

40.1191, 0.2258, 0.3058

Trichromacy



Original Color

39.9816, 0.2158, 0.2549

Protanomaly

38.9570, 0.2386, 0.2530

Deuteranomaly

39.4251, 0.2320, 0.2448

Tritanomaly

40.0772, 0.2216, 0.2859

Monochromacy



Original Color

39.9816, 0.2158, 0.2549

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.9733, 0.2644, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9816, 0.2158, 0.2549 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(74, 180, 233)` looks like.

```
.text, #text, p{  
    color:rgb(74, 180, 233)  
}
```

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(74, 180, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 180, 233) }
```

Border

The CSS property to change the border of an element to Yxy 39.9816, 0.2158, 0.2549 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(74, 180, 233) }
```

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

```
.border{ border-color:rgb(74, 180, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 180, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 180, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 180, 233);  
box-shadow:4px 4px 4px 4px rgb(74, 180,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9816, 0.2158, 0.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 180, 233) }
```

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

```
.background{ background-color: rgb(74, 180,  
233) }
```

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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