

Converting Colors

$Y_{xy}(39.7511, 0.2186, 0.2600)$

Have a look what the booklet for
Yxy(39.7511, 0.2186, 0.2600)
contains.

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Color

Yxy(39.8774, 0.2185, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	4DB4E5
RGB	77, 180, 229
RGB Percent	30%, 71%, 90%
CMY	0.6977, 0.2941, 0.1021
CMYK	0.66, 0.21, 0.00, 0.10
HSL	199°, 74%, 60%
HSV	199°, 66%, 90%
XYZ	33.5252, 39.8774, 80.0310
YIQ	154.7890, -77.1170, -6.5970

Conversions

Conversions Part 2

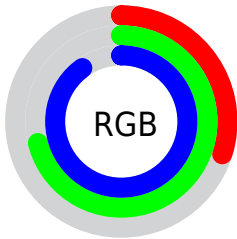
Format	Color
R _Y B	77, 138, 229
Decimal	5092581
CIE Lab	69.38, -14.75, -33.28
CIE LCh	69, 36.405, 246.099
Yxy	39.8774, 0.2185, 0.2599
Android (android.graphics.Color)	4283282661 (0xFF4DB4E5)
YUV	154.7890, 36.5860, -68.2210
Hunter-Lab	63.1486, -15.7452, -30.9369

Details

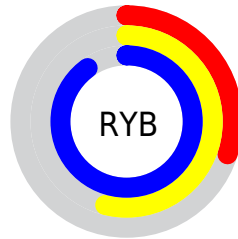
The Yxy color **39.8774, 0.2185, 0.2599** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **32.1244, 0.4876, 0.3810**, and the grayscale version is **32.5513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8736, 0.2486, 0.3069**, and **18.1959, 0.2002, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **36.1854, 0.2089, 0.2475**, and if you desaturate by 10%, it is **44.0661, 0.2300, 0.2721**.

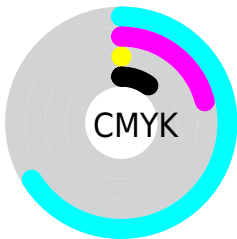
Distribution



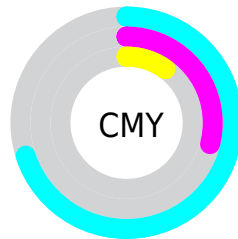
- Red (30%)
- Green (71%)
- Blue (90%)



- Red (30%)
- Yellow (54%)
- Blue (90%)



- Cyan (66%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8774, 0.2185, 0.2599 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 39.8774, 0.2185, 0.2599 by changing the saturation by 10% instead.

■ 39.8774, 0.2185,
0.2599

■ 39.8774, 0.2185,
0.2599

■ 345.6066, 0.2646,
0.2954

■ 27.4430, 0.2075,
0.2510

■ 74.9768, 0.2349,
0.2729

■ 17.9062, 0.1938,
0.2395

■ 98.4105, 0.2412,
0.2778

■ 10.8827, 0.1762,
0.2244

■ 126.2795, 0.2466,
0.2819

■ 5.9880, 0.1532,
0.2039

■ 158.9681, 0.2512,
0.2854

■ 2.8378, 0.1225,
0.1748

■ 196.8607, 0.2552,
0.2884

■ 1.0476, 0.0794,
0.1326

■ 240.3417, 0.2587,

■ 0.0000, 0.0000,

0.2910

0.0000

289.7955, 0.2619,
0.2933

■ 39.8774, 0.2185,
0.2599

■ 39.8774, 0.2185,
0.2599

■ 36.1854, 0.2089,
0.2475

■ 44.0661, 0.2300,
0.2721

■ 32.9464, 0.2013,
0.2351

■ 48.7813, 0.2430,
0.2839


■ 30.1133, 0.1958,
0.2229

■ 54.0547, 0.2571,
0.2950

■ 29.1463, 0.1940,
0.2185


■ 59.9137, 0.2721,
0.3055

■ 66.3839, 0.2875,
0.3151

 73.4888, 0.3030,
0.3239

 81.2507, 0.3183,
0.3318

 88.6792, 0.3297,
0.3390

 93.0914, 0.3289,
0.3461

Harmonies

Analogous

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



39.8774, 0.2192, 0.2961



39.8774, 0.2185, 0.2599



39.8774, 0.2400, 0.2447

Triad

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



39.8774, 0.2185, 0.2599



39.8774, 0.3858, 0.3063



39.8774, 0.3375, 0.4252

Complementary

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



39.8774, 0.2185, 0.2599



32.1244, 0.4876, 0.3810

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.



39.8774, 0.3856, 0.4188



39.8774, 0.2185, 0.2599



39.8774, 0.4162, 0.3477

Square

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



39.8774, 0.2185, 0.2599



39.8774, 0.3347, 0.2716



39.8774, 0.4154, 0.3885



39.8774, 0.2851, 0.3987

Rectangle

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



39.8774, 0.2185, 0.2599



39.8774, 0.2655, 0.2459



39.8774, 0.4154, 0.3885



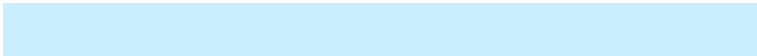
39.8774, 0.3548, 0.4266

Sweetspot

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



39.8788, 0.2185, 0.2599



81.5317, 0.2816, 0.3116



59.0850, 0.2831, 0.4807



16.9522, 0.2772, 0.3088



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.



39.8788, 0.2185, 0.2599



44.4184, 0.2055, 0.2424



17.3261, 0.1921, 0.1496



15.5118, 0.2981, 0.3212



16.8975, 0.1946, 0.2204



1.4152, 0.1995, 0.2381

Inverse Universe

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



25.2675, 0.3781, 0.2212



27.3118, 0.3979, 0.2105



59.0181, 0.4225, 0.4570



14.5320, 0.3187, 0.3132



10.9035, 0.4228, 0.2103



0.8225, 0.4042, 0.2001

Previews

White Background



This preview shows how the Yxy color 39.8774, 0.2185, 0.2599 looks on a white background.

Color Contrast Check

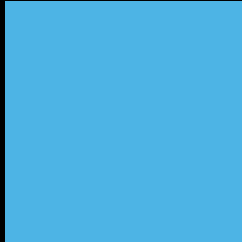
Large Text (above 18pt) WCAG AA × Fail

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 39.8774, 0.2185, 0.2599 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

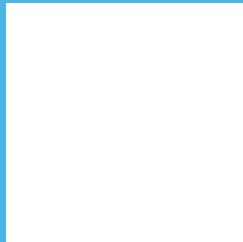
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8774, 0.2185, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 39.8774, 0.2185, 0.2599.



This preview shows how white text looks on a background with the Yxy color 39.8774, 0.2185, 0.2599.

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

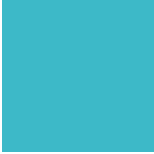
39.8774, 0.2185, 0.2599

Protanopia

39.2569, 0.2624, 0.2591

Deuteranopia

39.3945, 0.2500, 0.2437



Tritanopia

39.8602, 0.2279, 0.3058

Trichromacy



Original Color

39.8774, 0.2185, 0.2599

Protanomaly

38.8892, 0.2420, 0.2579

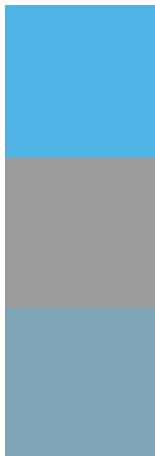
Deuteranomaly

39.0329, 0.2354, 0.2483

Tritanomaly

39.7634, 0.2240, 0.2872

Monochromacy



Original Color

39.8774, 0.2185, 0.2599

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.4403, 0.2668, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8774, 0.2185, 0.2599 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(77, 180, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 180, 229)  
}
```

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(77, 180, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 180, 229) }
```

Border

The CSS property to change the border of an element to Yxy 39.8774, 0.2185, 0.2599 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(77, 180, 229) }
```

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

```
.border{ border-color:rgb(77, 180, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 180, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 180, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 180, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 180,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8774, 0.2185, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 180, 229) }
```

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

```
.background{ background-color: rgb(77, 180,  
229) }
```

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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