

Converting Colors

$Yxy(51.2048, 0.2343, 0.2891)$

Have a look what the booklet for
Yxy(51.2048, 0.2343, 0.2891)
contains.

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Color

Yxy(51.0078, 0.2338, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	67CAE9
RGB	103, 202, 233
RGB Percent	40%, 79%, 91%
CMY	0.5959, 0.2078, 0.0863
CMYK	0.56, 0.13, 0.00, 0.09
HSL	194°, 75%, 66%
HSV	194°, 56%, 91%
XYZ	41.4228, 51.0078, 84.7413
YIQ	175.9330, -68.9550, -11.3470

Conversions

Conversions Part 2

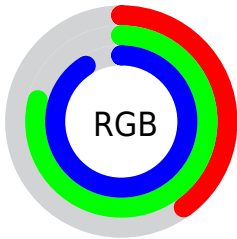
Format	Color
RYB	103, 159, 233
Decimal	6802153
CIELab	76.68, -20.41, -24.17
CIElCh	77, 31.636, 229.814
Yxy	51.0078, 0.2338, 0.2879
Android (android.graphics.Color)	4284992233 (0xFF67CAE9)
YUV	175.9330, 28.1340, -63.9622
Hunter-Lab	71.4197, -21.4562, -20.3553

Details

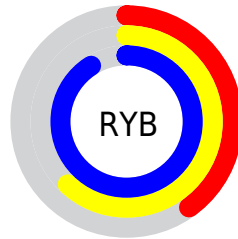
The Yxy color **51.0078, 0.2338, 0.2879** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.3572, 0.4584, 0.3636**, and the grayscale version is **43.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **24.6612, 0.2145, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **47.2578, 0.2235, 0.2791**, and if you desaturate by 10%, it is **55.2392, 0.2458, 0.2964**.

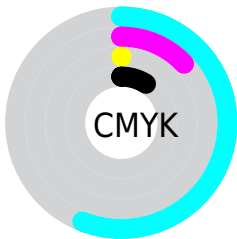
Distribution



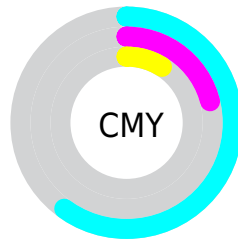
- Red (40%)
- Green (79%)
- Blue (91%)



- Red (40%)
- Yellow (62%)
- Blue (91%)



- Cyan (56%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)




- Cyan (60%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0078, 0.2338, 0.2879 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 51.0078, 0.2338, 0.2879 by changing the saturation by 10% instead.


 51.0078, 0.2338,
0.2879


 51.0078, 0.2338,
0.2879

390.5941, 0.2713,
0.3089

 36.2148, 0.2251,
0.2826


 91.6663, 0.2470,
0.2956

 24.6001, 0.2142,
0.2759


 118.3006, 0.2520,
0.2984

 15.7794, 0.2005,
0.2670


 149.6508, 0.2564,
0.3008

 9.3682, 0.1825,
0.2547

186.1013, 0.2602,
0.3029

 4.9821, 0.1583,
0.2369

228.0365, 0.2635,
0.3047

 2.2368, 0.1246,
0.2096

275.8407, 0.2664,

 0.7399, 0.0467,

0.3063

0.1684

329.8985, 0.2690,
0.3076

0.0000, 0.0000,
0.0000

51.0078, 0.2338,
0.2879

51.0078, 0.2338,
0.2879

47.2578, 0.2235,
0.2791

55.2392, 0.2458,
0.2964

43.9498, 0.2150,
0.2702

59.9763, 0.2591,
0.3045

41.0465, 0.2085,
0.2613

65.2482, 0.2734,
0.3121

38.4998, 0.2040,
0.2525

71.0798, 0.2884,
0.3191

37.4982, 0.2025,
0.2488

77.4943, 0.3038,
0.3256

84.5136, 0.3192,
0.3314

89.9864, 0.3270,
0.3368

93.3236, 0.3264,
0.3421

96.7619, 0.3259,
0.3475

Harmonies

Analogous

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



51.0078, 0.2449, 0.3250



51.0078, 0.2338, 0.2879



51.0078, 0.2418, 0.2654

Triad

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



51.0078, 0.2338, 0.2879



51.0078, 0.3504, 0.2943



51.0078, 0.3557, 0.4061

Complementary

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



51.0078, 0.2338, 0.2879



35.3572, 0.4584, 0.3636

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.



51.0078, 0.3872, 0.3907



51.0078, 0.2338, 0.2879



51.0078, 0.3849, 0.3265

Square

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



51.0078, 0.2338, 0.2879



51.0078, 0.3068, 0.2706



51.0078, 0.3985, 0.3611



51.0078, 0.3139, 0.3983

Rectangle

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



51.0078, 0.2338, 0.2879



51.0078, 0.2571, 0.2599



51.0078, 0.3985, 0.3611



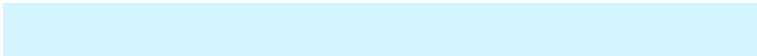
51.0078, 0.3679, 0.4032

Sweetspot

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



51.0097, 0.2338, 0.2879



86.2667, 0.2864, 0.3182



62.8588, 0.2904, 0.4682



18.1472, 0.2834, 0.3168



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.



51.0097, 0.2338, 0.2879



57.3383, 0.2220, 0.2778



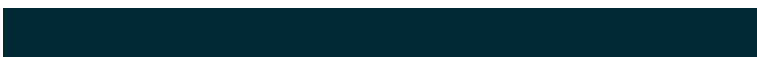
26.8561, 0.2143, 0.1961



16.4778, 0.2981, 0.3232



21.4812, 0.2028, 0.2502



1.8330, 0.2062, 0.2624

Inverse Universe

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



31.2933, 0.3515, 0.2239



32.4925, 0.3624, 0.2081



58.8416, 0.4129, 0.4314



15.2488, 0.3174, 0.3112



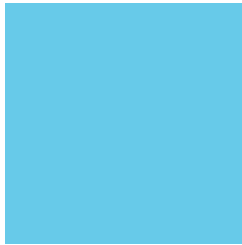
11.6613, 0.3921, 0.1933



0.9305, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 51.0078, 0.2338, 0.2879 looks on a white background.

Color Contrast Check

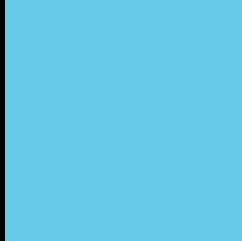
Large Text (above 18pt) WCAG AA × Fail

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 51.0078, 0.2338, 0.2879 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 51.0078, 0.2338, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 51.0078, 0.2338, 0.2879.



This preview shows how white text looks on a background with the Yxy color 51.0078, 0.2338, 0.2879.

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

51.0078, 0.2338, 0.2879

Protanopia

50.2155, 0.2826, 0.2850

Deuteranopia

50.2192, 0.2727, 0.2660



Tritanopia

51.0029, 0.2378, 0.3057

Trichromacy



Original Color

51.0078, 0.2338, 0.2879

Protanomaly

49.9626, 0.2614, 0.2857

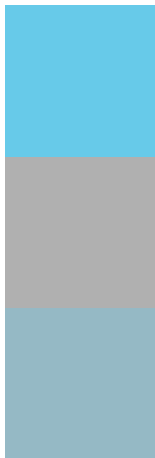
Deuteranomaly

50.0900, 0.2556, 0.2729

Tritanomaly

50.8574, 0.2365, 0.2992

Monochromacy



Original Color

51.0078, 0.2338, 0.2879

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.1187, 0.2758, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0078, 0.2338, 0.2879 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(103, 202, 233)` looks like.

```
.text, #text, p{  
    color:rgb(103, 202, 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(103, 202, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 202, 233) }
```

Border

The CSS property to change the border of an element to Yxy 51.0078, 0.2338, 0.2879 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(103, 202, 233) }
```

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

```
.border{ border-color:rgb(103, 202, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 202, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 202, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 202, 233);  
box-shadow:4px 4px 4px 4px rgb(103, 202,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0078, 0.2338, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 202, 233) }
```

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

```
.background{ background-color: rgb(103,  
202, 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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