

Converting Colors

$Yxy(51.0383, 0.2391, 0.2956)$

Have a look what the booklet for
Yxy(51.0383, 0.2391, 0.2956)
contains.

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Color

Yxy(51.0383, 0.2391, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	6DCAE3
RGB	109, 202, 227
RGB Percent	43%, 79%, 89%
CMY	0.5729, 0.2078, 0.1099
CMYK	0.52, 0.11, 0.00, 0.11
HSL	193°, 68%, 66%
HSV	193°, 52%, 89%
XYZ	41.2830, 51.0383, 80.3387
YIQ	177.0430, -63.4530, -11.9410

Conversions

Conversions Part 2

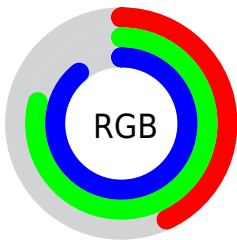
Format	Color
RYB	109, 161, 227
Decimal	7195363
CIELab	76.70, -20.92, -20.89
CIELCh	77, 29.567, 224.964
Yxy	51.0383, 0.2391, 0.2956
Android (android.graphics.Color)	4285385443 (0xFF6DCAE3)
YUV	177.0430, 24.6288, -59.6737
Hunter-Lab	71.4411, -21.8738, -16.6655

Details

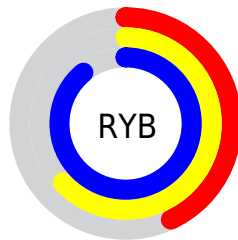
The Yxy color **51.0383, 0.2391, 0.2956** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.4515, 0.4463, 0.3580**, and the grayscale version is **43.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **24.7163, 0.2207, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **47.5648, 0.2285, 0.2880**, and if you desaturate by 10%, it is **54.9573, 0.2513, 0.3029**.

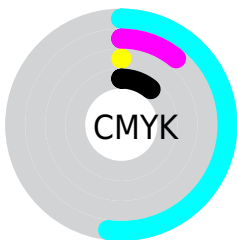
Distribution



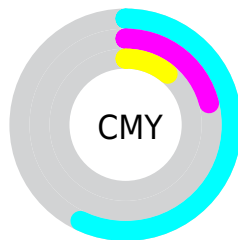
- Red (43%)
- Green (79%)
- Blue (89%)



- Red (43%)
- Yellow (63%)
- Blue (89%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (57%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0383, 0.2391, 0.2956 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 51.0383, 0.2391, 0.2956 by changing the saturation by 10% instead.

51.0383, 0.2391,
0.2956

51.0383, 0.2391,
0.2956

390.7126, 0.2742,
0.3128

36.2391, 0.2309,
0.2912

91.7114, 0.2515,
0.3019

24.6189, 0.2206,
0.2856

118.3540, 0.2562,
0.3043

15.7934, 0.2075,
0.2781

149.7133, 0.2603,
0.3063

9.3780, 0.1903,
0.2676

186.1736, 0.2638,
0.3080

4.9886, 0.1669,
0.2522

228.1193, 0.2669,
0.3094

2.2406, 0.1337,
0.2278

275.9347, 0.2697,

0.7420, 0.0501,

0.3107

0.1912

330.0044, 0.2721,
0.3118

0.0000, 0.0000,
0.0000

51.0383, 0.2391,
0.2956

51.0383, 0.2391,
0.2956

47.5648, 0.2285,
0.2880

54.9573, 0.2513,
0.3029

44.5011, 0.2197,
0.2802

59.3427, 0.2648,
0.3099

41.8149, 0.2128,
0.2724

64.2209, 0.2792,
0.3164

39.4651, 0.2080,
0.2646

69.6144, 0.2942,
0.3225

37.7774, 0.2052,
0.2585

75.5441, 0.3096,
0.3280

82.0298, 0.3250,
0.3329

86.5788, 0.3314,
0.3376

89.3747, 0.3308,
0.3423

92.2455, 0.3303,
0.3469

Harmonies

Analogous

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



51.0383, 0.2525, 0.3319



51.0383, 0.2391, 0.2956



51.0383, 0.2437, 0.2718

Triad

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



51.0383, 0.2391, 0.2956



51.0383, 0.3416, 0.2922



51.0383, 0.3588, 0.4000

Complementary

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



51.0383, 0.2391, 0.2956



34.4515, 0.4463, 0.3580

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.



51.0383, 0.3856, 0.3832



51.0383, 0.2391, 0.2956



51.0383, 0.3760, 0.3216

Square

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



51.0383, 0.2391, 0.2956



51.0383, 0.3008, 0.2716



51.0383, 0.3924, 0.3542



51.0383, 0.3206, 0.3962

Rectangle

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



51.0383, 0.2391, 0.2956



51.0383, 0.2565, 0.2647



51.0383, 0.3924, 0.3542



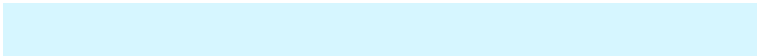
51.0383, 0.3695, 0.3963

Sweetspot

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



51.0402, 0.2391, 0.2956



87.6836, 0.2880, 0.3201



59.8581, 0.2934, 0.4626



18.4569, 0.2849, 0.3188



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.



51.0402, 0.2391, 0.2956



61.7660, 0.2281, 0.2877



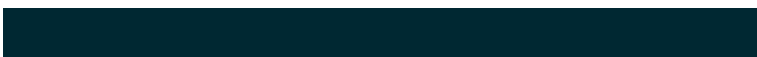
28.8413, 0.2225, 0.2126



15.7917, 0.2981, 0.3239



22.2098, 0.2055, 0.2597



1.7710, 0.2086, 0.2709

Inverse Universe

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



31.5141, 0.3445, 0.2271



35.0414, 0.3529, 0.2109



54.9408, 0.4079, 0.4214



14.5603, 0.3170, 0.3107



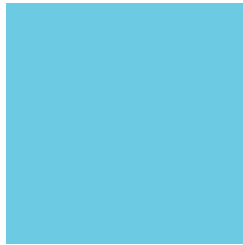
11.4398, 0.3827, 0.1882



0.8585, 0.3719, 0.1823

Previews

White Background



This preview shows how the Yxy color 51.0383, 0.2391, 0.2956 looks on a white background.

Color Contrast Check

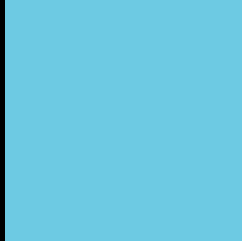
Large Text (above 18pt) WCAG AA × Fail

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 51.0383, 0.2391, 0.2956 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 51.0383, 0.2391, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 51.0383, 0.2391, 0.2956.



This preview shows how white text looks on a background with the Yxy color 51.0383, 0.2391, 0.2956.

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

51.0383, 0.2391, 0.2956

Protanopia

50.6177, 0.2876, 0.2922

Deuteranopia

50.3648, 0.2795, 0.2729



Tritanopia

50.9434, 0.2414, 0.3058

Trichromacy



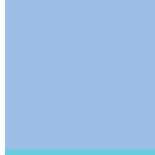
Original Color

51.0383, 0.2391, 0.2956



Protanomaly

49.9877, 0.2663, 0.2919



Deuteranomaly

50.1429, 0.2615, 0.2801



Tritanomaly

51.1654, 0.2404, 0.3020

Monochromacy



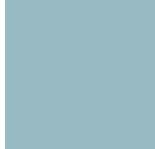
Original Color

51.0383, 0.2391, 0.2956



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

45.7333, 0.2794, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0383, 0.2391, 0.2956 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(109, 202, 227)` looks like.

```
.text, #text, p{  
    color:rgb(109, 202, 227)  
}
```

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(109, 202, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 202, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.0383, 0.2391, 0.2956 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(109, 202, 227) }
```

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

```
.border{ border-color:rgb(109, 202, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 202, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 202, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 202, 227);  
box-shadow:4px 4px 4px 4px rgb(109, 202,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0383, 0.2391, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 202, 227) }
```

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

```
.background{ background-color: rgb(109,  
202, 227) }
```

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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