

Converting Colors

$Yxy(40.7494, 0.2399, 0.2885)$

Have a look what the booklet for
Yxy(40.7494, 0.2399, 0.2885)
contains.

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Color

Yxy(40.5943, 0.2398, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	68B5D1
RGB	104, 181, 209
RGB Percent	41%, 71%, 82%
CMY	0.5921, 0.2902, 0.1804
CMYK	0.50, 0.13, 0.00, 0.18
HSL	196°, 53%, 61%
HSV	196°, 50%, 82%
XYZ	33.7418, 40.5943, 66.3720
YIQ	161.1690, -54.8800, -7.6160

Conversions

Conversions Part 2

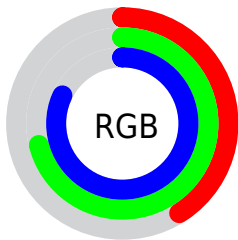
Format	Color
RYB	104, 148, 209
Decimal	6862289
CIELab	69.89, -16.18, -21.49
CIELCh	70, 26.903, 233.020
Yxy	40.5943, 0.2398, 0.2885
Android (android.graphics.Color)	4285052369 (0xFF68B5D1)
YUV	161.1690, 23.5807, -50.1372
Hunter-Lab	63.7137, -16.9679, -17.1642

Details

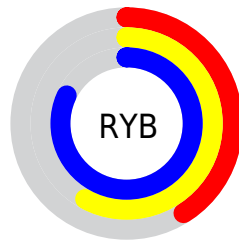
The Yxy color **40.5943, 0.2398, 0.2885** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **31.0591, 0.4345, 0.3643**, and the grayscale version is **35.6334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3654, 0.2581, 0.3086**, and **18.3185, 0.2193, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **37.2749, 0.2282, 0.2788**, and if you desaturate by 10%, it is **44.3173, 0.2529, 0.2978**.

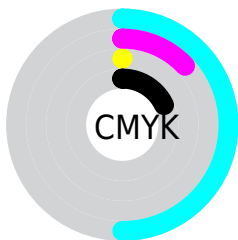
Distribution



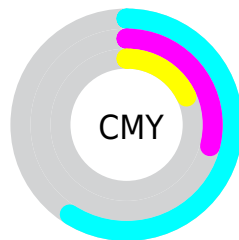
- Red (41%)
- Green (71%)
- Blue (82%)



- Red (41%)
- Yellow (58%)
- Blue (82%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)




- Cyan (59%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5943, 0.2398, 0.2885 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 40.5943, 0.2398, 0.2885 by changing the saturation by 10% instead.


 40.5943, 0.2398,
0.2885


 40.5943, 0.2398,
0.2885


348.6221, 0.2760,
0.3098

 28.0022, 0.2309,
0.2829


 76.0676, 0.2528,
0.2964


 18.3273, 0.2197,
0.2756


 99.7177, 0.2578,
0.2994

 11.1852, 0.2050,
0.2657


 127.8225, 0.2620,
0.3018

 6.1916, 0.1851,
0.2516

 160.7665, 0.2656,
0.3039

 2.9619, 0.1570,
0.2301

198.9341, 0.2687,
0.3057

 1.1119, 0.1134,
0.1953

242.7096, 0.2714,

 0.0000, 0.0000,

0.3072

0.0000

292.4775, 0.2738,
0.3086

■ 40.5943, 0.2398,
0.2885

■ 40.5943, 0.2398,
0.2885

■ 37.2749, 0.2282,
0.2788

■ 44.3173, 0.2529,
0.2978

■ 34.3302, 0.2182,
0.2689

■ 48.4612, 0.2670,
0.3065

■ 31.7339, 0.2102,
0.2589

■ 53.0478, 0.2818,
0.3146

■ 29.4535, 0.2041,
0.2489

■ 58.0957, 0.2970,
0.3221

■ 27.4726, 0.1998,
0.2393

■ 63.6223, 0.3124,
0.3289

■ 69.6440, 0.3276,
0.3350

■ 76.1765, 0.3425,
0.3404

■ 80.0286, 0.3450,
0.3458

■ 83.1012, 0.3440,
0.3513

Harmonies

Analogous

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



40.5943, 0.2483, 0.3215



40.5943, 0.2398, 0.2885



40.5943, 0.2491, 0.2691

Triad

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



40.5943, 0.2398, 0.2885



40.5943, 0.3513, 0.3000



40.5943, 0.3486, 0.3999

Complementary

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



40.5943, 0.2398, 0.2885



31.0591, 0.4345, 0.3643

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.



40.5943, 0.3789, 0.3883



40.5943, 0.2398, 0.2885



40.5943, 0.3813, 0.3304

Square

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



40.5943, 0.2398, 0.2885



40.5943, 0.3117, 0.2769



40.5943, 0.3914, 0.3622



40.5943, 0.3098, 0.3900

Rectangle

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



40.5943, 0.2398, 0.2885



40.5943, 0.2645, 0.2650



40.5943, 0.3914, 0.3622



40.5943, 0.3602, 0.3982

Sweetspot

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



40.5958, 0.2398, 0.2885



87.1180, 0.2895, 0.3185



50.1595, 0.2910, 0.4483



18.2889, 0.2862, 0.3169



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.



40.5958, 0.2398, 0.2885



58.2414, 0.2277, 0.2784



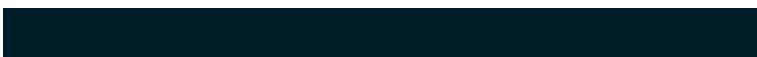
23.5828, 0.2246, 0.2099



12.8515, 0.2983, 0.3227



17.1099, 0.2002, 0.2407



1.0833, 0.2052, 0.2588

Inverse Universe

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



26.7951, 0.3497, 0.2367



35.6282, 0.3604, 0.2208



48.3171, 0.4006, 0.4238



11.9530, 0.3178, 0.3121



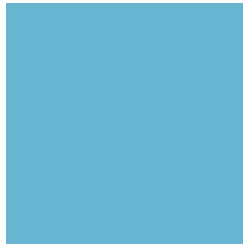
9.7985, 0.4016, 0.1986



0.5607, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 40.5943, 0.2398, 0.2885 looks on a white background.

Color Contrast Check

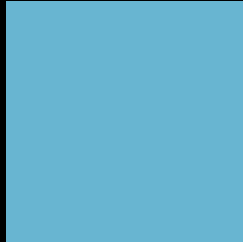
Large Text (above 18pt) WCAG AA × Fail

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 40.5943, 0.2398, 0.2885 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 40.5943, 0.2398, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 40.5943, 0.2398, 0.2885.



This preview shows how white text looks on a background with the Yxy color 40.5943, 0.2398, 0.2885.

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

40.5943, 0.2398, 0.2885

Protanopia

40.0679, 0.2837, 0.2860

Deuteranopia

40.3902, 0.2757, 0.2701



Tritanopia

40.6535, 0.2442, 0.3066

Trichromacy



Original Color

40.5943, 0.2398, 0.2885

Protanomaly

39.9497, 0.2651, 0.2872

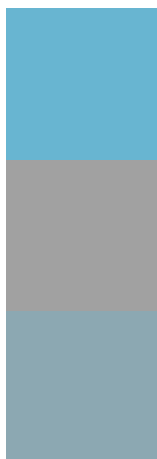
Deuteranomaly

40.0478, 0.2605, 0.2757

Tritanomaly

40.4869, 0.2423, 0.2994

Monochromacy



Original Color

40.5943, 0.2398, 0.2885

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.7951, 0.2805, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5943, 0.2398, 0.2885 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(104, 181, 209)` looks like.

```
.text, #text, p{  
    color:rgb(104, 181, 209)  
}
```

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(104, 181, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 181, 209) }
```

Border

The CSS property to change the border of an element to Yxy 40.5943, 0.2398, 0.2885 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(104, 181, 209) }
```

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

```
.border{ border-color:rgb(104, 181, 209) }
```

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

Here you see how a box with a 4 pixel rgb(104, 181, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 181, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 181, 209);  
box-shadow:4px 4px 4px 4px rgb(104, 181,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5943, 0.2398, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 181, 209) }
```

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

```
.background{ background-color: rgb(104,  
181, 209) }
```

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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