

Converting Colors

$Yxy(41.1548, 0.2345, 0.3013)$

Have a look what the booklet for
Yxy(41.1548, 0.2345, 0.3013)
contains.

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Color

Yxy(40.9424, 0.2343, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	54B9CC
RGB	84, 185, 204
RGB Percent	33%, 73%, 80%
CMY	0.6701, 0.2746, 0.2000
CMYK	0.59, 0.09, 0.00, 0.20
HSL	190°, 54%, 56%
HSV	190°, 59%, 80%
XYZ	31.9122, 40.9424, 63.3477
YIQ	156.9670, -66.2950, -15.5030

Conversions

Conversions Part 2

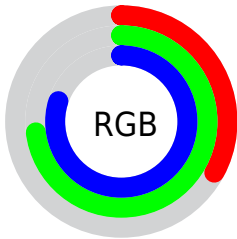
Format	Color
RYB	84, 139, 204
Decimal	5552588
CIELab	70.14, -23.76, -18.45
CIELCh	70, 30.082, 217.839
Yxy	40.9424, 0.2343, 0.3006
Android (android.graphics.Color)	4283742668 (0xFF54B9CC)
YUV	156.9670, 23.1873, -63.9921
Hunter-Lab	63.9862, -22.9517, -13.9079

Details

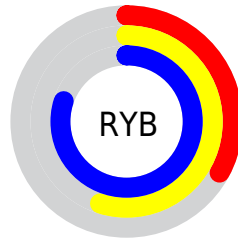
The Yxy color **40.9424, 0.2343, 0.3006** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **23.2075, 0.4766, 0.3526**, and the grayscale version is **33.6321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0599, 0.2509, 0.3128**, and **18.7045, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **38.7959, 0.2256, 0.2950**, and if you desaturate by 10%, it is **43.3970, 0.2448, 0.3061**.

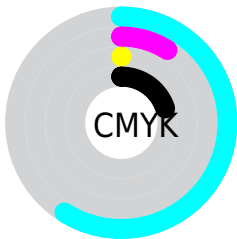
Distribution



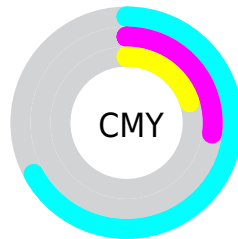
- Red (33%)
- Green (73%)
- Blue (80%)



- Red (33%)
- Yellow (55%)
- Blue (80%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)




- Cyan (67%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9424, 0.2343, 0.3006 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 40.9424, 0.2343, 0.3006 by changing the saturation by 10% instead.


 40.9424, 0.2343,
0.3006


 40.9424, 0.2343,
0.3006


350.0798, 0.2731,
0.3161

 28.2741, 0.2248,
0.2964


 76.5964, 0.2483,
0.3065


 18.5324, 0.2128,
0.2907


 100.3510, 0.2535,
0.3086

 11.3329, 0.1972,
0.2829


 128.5697, 0.2580,
0.3104

 6.2912, 0.1761,
0.2714

 161.6370, 0.2619,
0.3119

 3.0229, 0.1465,
0.2532

199.9372, 0.2653,
0.3132

 1.1437, 0.0951,
0.2235

243.8549, 0.2682,

 0.0150, 0.0000,

0.3143

0.0110

293.7743, 0.2708,
0.3152

■ 0.0000, 0.0000,
0.0000

■ 40.9424, 0.2343,
0.3006

■ 40.9424, 0.2343,
0.3006

■ 38.7959, 0.2256,
0.2950

■ 43.3970, 0.2448,
0.3061

■ 36.9280, 0.2188,
0.2893

■ 46.1769, 0.2568,
0.3114

■ 35.3114, 0.2140,
0.2837

■ 49.3032, 0.2701,
0.3164

■ 33.8994, 0.2108,
0.2781

■ 52.7939, 0.2844,
0.3211

■ 33.7308, 0.2104,
0.2774

■ 56.6656, 0.2993,
0.3255

■ 60.9341, 0.3146,
0.3295

■ 65.6138, 0.3301,
0.3331

■ 70.7186, 0.3454,
0.3363

■ 73.7676, 0.3507,
0.3394

Harmonies

Analogous

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



40.9424, 0.2532, 0.3423



40.9424, 0.2343, 0.3006



40.9424, 0.2347, 0.2710

Triad

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



40.9424, 0.2343, 0.3006



40.9424, 0.3337, 0.2826



40.9424, 0.3714, 0.4040

Complementary

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



40.9424, 0.2343, 0.3006



23.2075, 0.4766, 0.3526

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.



40.9424, 0.3964, 0.3811



40.9424, 0.2343, 0.3006



40.9424, 0.3745, 0.3126

Square

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



40.9424, 0.2343, 0.3006



40.9424, 0.2894, 0.2632



40.9424, 0.3981, 0.3477



40.9424, 0.3314, 0.4063

Rectangle

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



40.9424, 0.2343, 0.3006



40.9424, 0.2456, 0.2608



40.9424, 0.3981, 0.3477



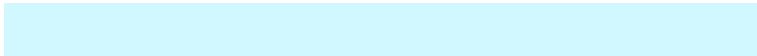
40.9424, 0.3819, 0.3981

Sweetspot

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



40.9439, 0.2343, 0.3006



87.7529, 0.2851, 0.3214



46.0385, 0.2952, 0.4912



18.4021, 0.2808, 0.3200



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.



40.9439, 0.2343, 0.3006



63.2224, 0.2233, 0.2932



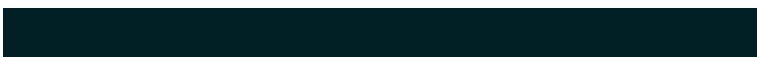
21.1931, 0.2134, 0.2052



12.4122, 0.2983, 0.3252



21.3435, 0.2106, 0.2782



1.1845, 0.2136, 0.2891

Inverse Universe

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



22.7001, 0.3415, 0.2104



31.6576, 0.3496, 0.1926



39.3361, 0.4254, 0.4243



11.3720, 0.3162, 0.3097



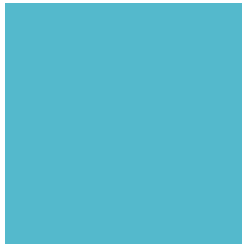
9.9576, 0.3652, 0.1785



0.5221, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 40.9424, 0.2343, 0.3006 looks on a white background.

Color Contrast Check

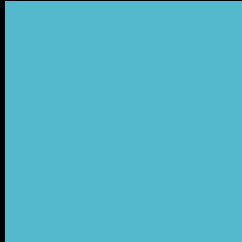
Large Text (above 18pt) WCAG AA × Fail

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 40.9424, 0.2343, 0.3006 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 40.9424, 0.2343, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 40.9424, 0.2343, 0.3006.

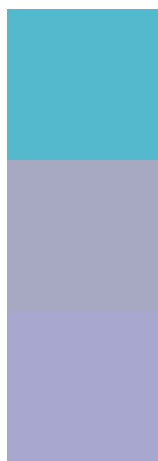


This preview shows how white text looks on a background with the Yxy color 40.9424, 0.2343, 0.3006.

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

40.9424, 0.2343, 0.3006

Protanopia

40.3332, 0.2907, 0.2965

Deuteranopia

40.5163, 0.2810, 0.2753



Tritanopia

41.1739, 0.2357, 0.3064

Trichromacy



Original Color

40.9424, 0.2343, 0.3006

Protanomaly

39.9254, 0.2651, 0.2976

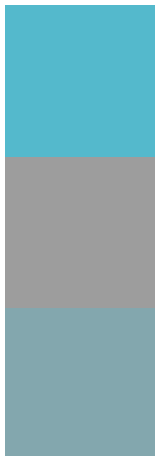
Deuteranomaly

40.1804, 0.2599, 0.2832

Tritanomaly

41.2211, 0.2352, 0.3050

Monochromacy



Original Color

40.9424, 0.2343, 0.3006

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.5187, 0.2761, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9424, 0.2343, 0.3006 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(84, 185, 204)` looks like.

```
.text, #text, p{  
    color:rgb(84, 185, 204)  
}
```

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(84, 185, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 185, 204) }
```

Border

The CSS property to change the border of an element to Yxy 40.9424, 0.2343, 0.3006 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(84, 185, 204) }
```

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

```
.border{ border-color:rgb(84, 185, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 185, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 185, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 185, 204);  
box-shadow:4px 4px 4px 4px rgb(84, 185,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9424, 0.2343, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 185, 204) }
```

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

```
.background{ background-color: rgb(84, 185,  
204) }
```

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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