

Converting Colors

$Yxy(41.9621, 0.2306, 0.2818)$

Have a look what the booklet for
Yxy(41.9621, 0.2306, 0.2818)
contains.

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Color

Yxy(41.9840, 0.2304, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	5BB9DA
RGB	91, 185, 218
RGB Percent	36%, 73%, 85%
CMY	0.6434, 0.2745, 0.1450
CMYK	0.58, 0.15, 0.00, 0.15
HSL	196°, 63%, 61%
HSV	196°, 58%, 85%
XYZ	34.3140, 41.9840, 72.6343
YIQ	160.6560, -66.6170, -9.6650

Conversions

Conversions Part 2

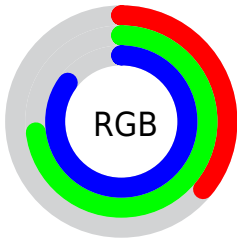
Format	Color
R _Y B	91, 145, 218
Decimal	6011354
CIE Lab	70.86, -18.37, -24.99
CIE LCh	71, 31.019, 233.684
Yxy	41.9840, 0.2304, 0.2819
Android (android.graphics.Color)	4284201434 (0xFF5BB9DA)
YUV	160.6560, 28.2706, -61.0883
Hunter-Lab	64.7951, -18.8618, -21.1066

Details

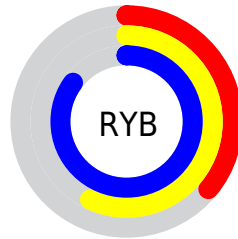
The Yxy color **41.9840, 0.2304, 0.2819** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **30.0604, 0.4649, 0.3677**, and the grayscale version is **35.3555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7099, 0.2540, 0.3130**, and **19.1985, 0.2086, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **38.7127, 0.2202, 0.2723**, and if you desaturate by 10%, it is **45.6744, 0.2423, 0.2913**.

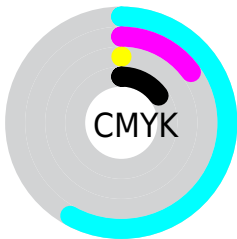
Distribution



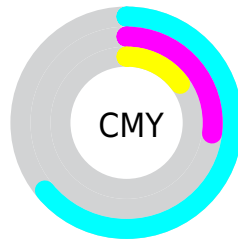
- Red (36%)
- Green (73%)
- Blue (85%)



- Red (36%)
- Yellow (57%)
- Blue (85%)



- Cyan (58%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9840, 0.2304, 0.2819 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 41.9840, 0.2304, 0.2819 by changing the saturation by 10% instead.

41.9840, 0.2304,
0.2819

41.9840, 0.2304,
0.2819

354.4166, 0.2708,
0.3065

29.0888, 0.2207,
0.2755

78.1754, 0.2448,
0.2910

19.1480, 0.2085,
0.2673

102.2404, 0.2503,
0.2944

11.7773, 0.1927,
0.2561

130.7974, 0.2550,
0.2972

6.5922, 0.1717,
0.2405

164.2308, 0.2590,
0.2997

3.2084, 0.1428,
0.2173

202.9250, 0.2625,
0.3017

1.2415, 0.1011,
0.1807

247.2645, 0.2656,

0.0952, 0.0000,

0.3035

0.0424

297.6335, 0.2683,
0.3051

0.0000, 0.0000,
0.0000

41.9840, 0.2304,
0.2819

41.9840, 0.2304,
0.2819

38.7127, 0.2202,
0.2723

45.6744, 0.2423,
0.2913

35.8260, 0.2119,
0.2625

49.8057, 0.2555,
0.3002

33.2905, 0.2056,
0.2528

54.4032, 0.2697,
0.3086

31.0554, 0.2011,
0.2431

59.4888, 0.2847,
0.3164

30.6911, 0.2004,
0.2415

65.0829, 0.3000,
0.3236

71.2045, 0.3153,
0.3301

77.8715, 0.3306,
0.3359

83.0866, 0.3380,
0.3413

86.2949, 0.3372,
0.3469

Harmonies

Analogous

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



41.9840, 0.2394, 0.3191



41.9840, 0.2304, 0.2819



41.9840, 0.2412, 0.2608

Triad

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



41.9840, 0.2304, 0.2819



41.9840, 0.3576, 0.2967



41.9840, 0.3522, 0.4102

Complementary

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



41.9840, 0.2304, 0.2819



30.0604, 0.4649, 0.3677

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.



41.9840, 0.3873, 0.3965



41.9840, 0.2304, 0.2819



41.9840, 0.3916, 0.3308

Square

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



41.9840, 0.2304, 0.2819



41.9840, 0.3123, 0.2707



41.9840, 0.4024, 0.3667



41.9840, 0.3081, 0.3988

Rectangle

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



41.9840, 0.2304, 0.2819



41.9840, 0.2587, 0.2567



41.9840, 0.4024, 0.3667



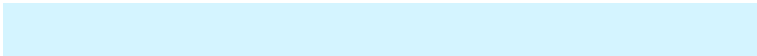
41.9840, 0.3655, 0.4081

Sweetspot

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



41.9855, 0.2304, 0.2819



85.7112, 0.2864, 0.3173



53.7936, 0.2889, 0.4718



18.0152, 0.2833, 0.3157



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.



41.9855, 0.2304, 0.2819



54.2031, 0.2181, 0.2700



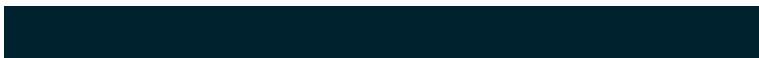
21.3750, 0.2095, 0.1865



14.2273, 0.2982, 0.3228



18.5671, 0.2008, 0.2429



1.3394, 0.2052, 0.2586

Inverse Universe

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



25.8810, 0.3570, 0.2231



31.0838, 0.3699, 0.2078



50.8823, 0.4158, 0.4370



13.2141, 0.3177, 0.3119



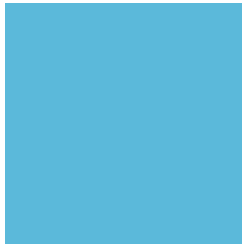
10.4981, 0.3993, 0.1973



0.6939, 0.3837, 0.1888

Previews

White Background



This preview shows how the Yxy color 41.9840, 0.2304, 0.2819 looks on a white background.

Color Contrast Check

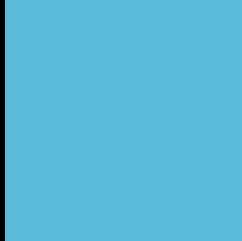
Large Text (above 18pt) WCAG AA × Fail

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 41.9840, 0.2304, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

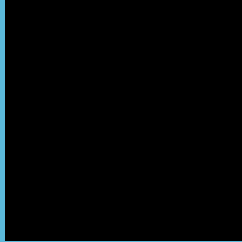
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9840, 0.2304, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 41.9840, 0.2304, 0.2819.



This preview shows how white text looks on a background with the Yxy color 41.9840, 0.2304, 0.2819.

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

41.9840, 0.2304, 0.2819

Protanopia

41.5724, 0.2781, 0.2802

Deuteranopia

41.3829, 0.2682, 0.2621



Tritanopia

42.2095, 0.2362, 0.3066

Trichromacy



Original Color

41.9840, 0.2304, 0.2819

Protanomaly

41.1225, 0.2565, 0.2796

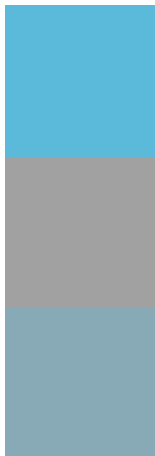
Deuteranomaly

41.1456, 0.2515, 0.2683

Tritanomaly

42.1210, 0.2342, 0.2982

Monochromacy



Original Color

41.9840, 0.2304, 0.2819

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.3611, 0.2746, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9840, 0.2304, 0.2819 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(91, 185, 218)` looks like.

```
.text, #text, p{  
    color:rgb(91, 185, 218)  
}
```

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(91, 185, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 185, 218) }
```

Border

The CSS property to change the border of an element to Yxy 41.9840, 0.2304, 0.2819 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(91, 185, 218) }
```

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

```
.border{ border-color:rgb(91, 185, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 185, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 185, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 185, 218);  
box-shadow:4px 4px 4px 4px rgb(91, 185,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9840, 0.2304, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 185, 218) }
```

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

```
.background{ background-color: rgb(91, 185,  
218) }
```

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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