

Converting Colors

$Y_{xy}(41.5648, 0.2400, 0.2884)$

Have a look what the booklet for
Yxy(41.5648, 0.2400, 0.2884)
contains.

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Color

Yxy(41.6343, 0.2403, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	6AB7D3
RGB	106, 183, 211
RGB Percent	42%, 72%, 83%
CMY	0.5846, 0.2823, 0.1725
CMYK	0.50, 0.13, 0.00, 0.17
HSL	196°, 54%, 62%
HSV	196°, 50%, 83%
XYZ	34.6304, 41.6343, 67.8485
YIQ	163.1690, -54.8800, -7.6160

Conversions

Conversions Part 2

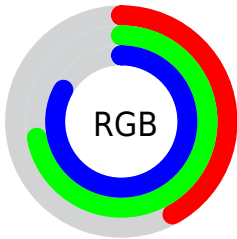
Format	Color
R _Y B	106, 150, 211
Decimal	6993875
CIE Lab	70.62, -16.24, -21.49
CIE LCh	71, 26.931, 232.921
Yxy	41.6343, 0.2403, 0.2889
Android (android.graphics.Color)	4285183955 (0xFF6AB7D3)
YUV	163.1690, 23.5807, -50.1372
Hunter-Lab	64.5246, -17.1171, -17.1769

Details

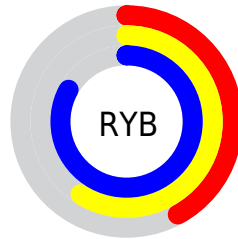
The Yxy color **41.6343, 0.2403, 0.2889** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **31.9233, 0.4332, 0.3641**, and the grayscale version is **36.6098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7395, 0.2594, 0.3109**, and **18.9464, 0.2210, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **38.2253, 0.2286, 0.2793**, and if you desaturate by 10%, it is **45.4571, 0.2534, 0.2981**.

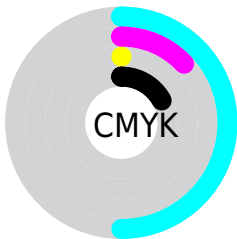
Distribution



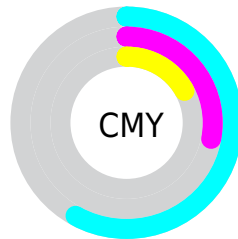
- Red (42%)
- Green (72%)
- Blue (83%)



- Red (42%)
- Yellow (59%)
- Blue (83%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (17%)



- Cyan (58%)
- Magenta (28%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6343, 0.2403, 0.2889 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 41.6343, 0.2403, 0.2889 by changing the saturation by 10% instead.

■ 41.6343, 0.2403,
0.2889

■ 41.6343, 0.2403,
0.2889

■ 352.9647, 0.2761,
0.3099

■ 28.8150, 0.2316,
0.2834

■ 77.6459, 0.2532,
0.2967

■ 18.9410, 0.2205,
0.2763

■ 101.6069, 0.2580,
0.2996

■ 11.6276, 0.2061,
0.2666

■ 130.0508, 0.2622,
0.3020

■ 6.4907, 0.1867,
0.2529

■ 163.3617, 0.2658,
0.3041

■ 3.1457, 0.1593,
0.2321

■ 201.9242, 0.2688,
0.3058

■ 1.2082, 0.1183,
0.1983

■ 246.1226, 0.2716,

■ 0.0684, 0.0000,

0.3074

0.0384

296.3413, 0.2740,
0.3087

0.0000, 0.0000,
0.0000

41.6343, 0.2403,
0.2889

41.6343, 0.2403,
0.2889

38.2253, 0.2286,
0.2793

45.4571, 0.2534,
0.2981

35.2005, 0.2186,
0.2693

49.7114, 0.2676,
0.3068

32.5334, 0.2104,
0.2593

54.4193, 0.2824,
0.3149

30.1907, 0.2043,
0.2493

59.5999, 0.2977,
0.3224

28.1143, 0.1999,
0.2395

65.2708, 0.3130,
0.3291

■ 28.0738, 0.1998,
0.2393

■ 71.4490, 0.3282,
0.3352

■ 78.1503, 0.3431,
0.3406

■ 81.4504, 0.3432,
0.3462

■ 84.5951, 0.3422,
0.3517

Harmonies

Analogous

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



41.6343, 0.2488, 0.3217



41.6343, 0.2403, 0.2889



41.6343, 0.2494, 0.2696

Triad

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



41.6343, 0.2403, 0.2889



41.6343, 0.3509, 0.3001



41.6343, 0.3485, 0.3994

Complementary

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



41.6343, 0.2403, 0.2889



31.9233, 0.4332, 0.3641

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.



41.6343, 0.3785, 0.3878



41.6343, 0.2403, 0.2889



41.6343, 0.3807, 0.3303

Square

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



41.6343, 0.2403, 0.2889



41.6343, 0.3116, 0.2771



41.6343, 0.3908, 0.3619



41.6343, 0.3100, 0.3896

Rectangle

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



41.6343, 0.2403, 0.2889



41.6343, 0.2647, 0.2655



41.6343, 0.3908, 0.3619



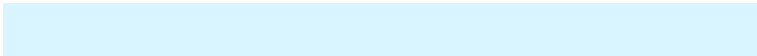
41.6343, 0.3599, 0.3976

Sweetspot

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



41.6359, 0.2403, 0.2889



87.1213, 0.2895, 0.3185



51.3279, 0.2911, 0.4471



18.2897, 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.



41.6359, 0.2403, 0.2889



58.2525, 0.2277, 0.2784



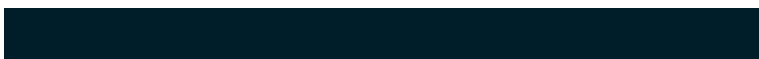
24.3220, 0.2254, 0.2110



12.8518, 0.2983, 0.3227



17.1159, 0.2002, 0.2407



1.0836, 0.2052, 0.2588

Inverse Universe

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



27.5650, 0.3493, 0.2374



35.6294, 0.3604, 0.2208



49.4818, 0.3999, 0.4231



11.9530, 0.3178, 0.3121



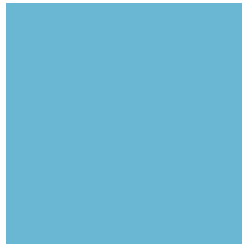
9.7991, 0.4015, 0.1986



0.5607, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 41.6343, 0.2403, 0.2889 looks on a white background.

Color Contrast Check

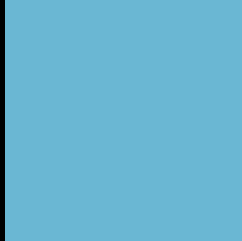
Large Text (above 18pt) WCAG AA × Fail

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 41.6343, 0.2403, 0.2889 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 41.6343, 0.2403, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 41.6343, 0.2403, 0.2889.



This preview shows how white text looks on a background with the Yxy color 41.6343, 0.2403, 0.2889.

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

41.6343, 0.2403, 0.2889

Protanopia

41.1207, 0.2840, 0.2865

Deuteranopia

41.0758, 0.2759, 0.2694



Tritanopia

41.6928, 0.2447, 0.3068

Trichromacy



Original Color

41.6343, 0.2403, 0.2889

Protanomaly

40.9970, 0.2656, 0.2877

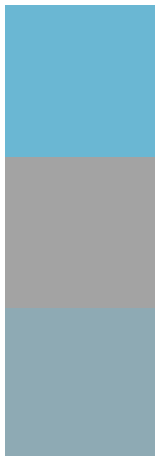
Deuteranomaly

40.7110, 0.2608, 0.2749

Tritanomaly

41.5242, 0.2428, 0.2998

Monochromacy



Original Color

41.6343, 0.2403, 0.2889

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7955, 0.2808, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6343, 0.2403, 0.2889 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(106, 183, 211)` looks like.

```
.text, #text, p{  
    color:rgb(106, 183, 211)  
}
```

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(106, 183, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 183, 211) }
```

Border

The CSS property to change the border of an element to Yxy 41.6343, 0.2403, 0.2889 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(106, 183, 211) }
```

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

```
.border{ border-color:rgb(106, 183, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 183, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 183, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 183, 211);  
box-shadow:4px 4px 4px 4px rgb(106, 183,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6343, 0.2403, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 183, 211) }
```

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

```
.background{ background-color: rgb(106,  
183, 211) }
```

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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