

Converting Colors

$Y_{xy}(39.2005, 0.2424, 0.2854)$

Have a look what the booklet for
Yxy(39.2005, 0.2424, 0.2854)
contains.

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Color

Yxy(39.2005, 0.2424, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	6DB1CF
RGB	109, 177, 207
RGB Percent	43%, 69%, 81%
CMY	0.5725, 0.3059, 0.1881
CMYK	0.47, 0.15, 0.00, 0.19
HSL	198°, 51%, 62%
HSV	198°, 47%, 81%
XYZ	33.2943, 39.2005, 64.8580
YIQ	160.0880, -50.1580, -5.0860

Conversions

Conversions Part 2

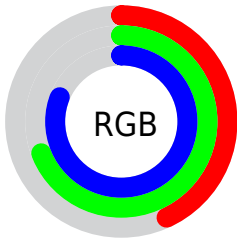
Format	Color
RYB	109, 149, 207
Decimal	7188943
CIELab	68.90, -13.47, -21.91
CIELCh	69, 25.716, 238.416
Yxy	39.2005, 0.2424, 0.2854
Android (android.graphics.Color)	4285379023 (0xFF6DB1CF)
YUV	160.0880, 23.1276, -44.8042
Hunter-Lab	62.6103, -14.6469, -17.5913

Details

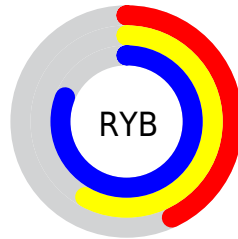
The Yxy color **39.2005, 0.2424, 0.2854** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **32.8496, 0.4221, 0.3674**, and the grayscale version is **35.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4972, 0.2594, 0.3041**, and **17.4190, 0.2221, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **35.5923, 0.2298, 0.2743**, and if you desaturate by 10%, it is **43.2373, 0.2562, 0.2960**.

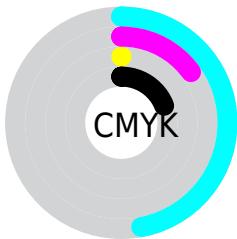
Distribution



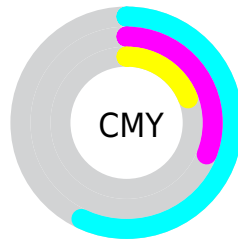
- Red (43%)
- Green (69%)
- Blue (81%)



- Red (43%)
- Yellow (58%)
- Blue (81%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)



- Cyan (57%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2005, 0.2424, 0.2854 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 39.2005, 0.2424, 0.2854 by changing the saturation by 10% instead.

■ 39.2005, 0.2424,
0.2854

■ 39.2005, 0.2424,
0.2854

■ 342.7422, 0.2775,
0.3082

■ 26.9157, 0.2337,
0.2794

■ 73.9445, 0.2551,
0.2939

■ 17.5100, 0.2227,
0.2716

■ 97.1726, 0.2599,
0.2970

■ 10.5987, 0.2081,
0.2611

■ 124.8172, 0.2640,
0.2997

■ 5.7977, 0.1883,
0.2460

■ 157.2627, 0.2675,
0.3019

■ 2.7225, 0.1601,
0.2232

■ 194.8936, 0.2705,
0.3038

■ 0.9886, 0.1145,
0.1864

■ 238.0942, 0.2731,

■ 0.0000, 0.0000,

0.3055

0.0000

287.2489, 0.2755,
0.3069

■ 39.2005, 0.2424,
0.2854

■ 39.2005, 0.2424,
0.2854

■ 35.5923, 0.2298,
0.2743

■ 43.2373, 0.2562,
0.2960

■ 32.3847, 0.2188,
0.2628

■ 47.7196, 0.2709,
0.3059

■ 29.5526, 0.2095,
0.2512

■ 52.6688, 0.2861,
0.3150

■ 27.0651, 0.2024,
0.2395

■ 58.1031, 0.3015,
0.3234

■ 24.8807, 0.1971,
0.2281

■ 64.0398, 0.3168,
0.3309

■ 24.3327, 0.1958,
0.2250

■ 70.4952, 0.3318,
0.3377

■ 77.4847, 0.3463,
0.3437

■ 81.1077, 0.3459,
0.3500

■ 84.6562, 0.3448,
0.3562

Harmonies

Analogous

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



39.2005, 0.2476, 0.3154



39.2005, 0.2424, 0.2854



39.2005, 0.2544, 0.2692

Triad

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



39.2005, 0.2424, 0.2854



39.2005, 0.3563, 0.3058



39.2005, 0.3411, 0.3974

Complementary

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



39.2005, 0.2424, 0.2854



32.8496, 0.4221, 0.3674

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.



39.2005, 0.3726, 0.3897



39.2005, 0.2424, 0.2854



39.2005, 0.3824, 0.3360

Square

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



39.2005, 0.2424, 0.2854



39.2005, 0.3188, 0.2817



39.2005, 0.3882, 0.3665



39.2005, 0.3032, 0.3839

Rectangle

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



39.2005, 0.2424, 0.2854



39.2005, 0.2711, 0.2671



39.2005, 0.3882, 0.3665



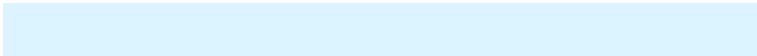
39.2005, 0.3528, 0.3970

Sweetspot

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



39.2020, 0.2424, 0.2854



87.0662, 0.2910, 0.3178



49.7365, 0.2890, 0.4324



18.2396, 0.2876, 0.3159



0.0000, 0.0000, 0.0000



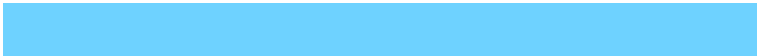
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2020, 0.2424, 0.2854



56.8394, 0.2294, 0.2739



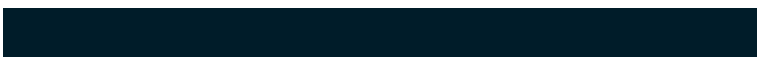
23.3575, 0.2287, 0.2105



12.7703, 0.2983, 0.3217



15.5009, 0.1963, 0.2266



1.0036, 0.2021, 0.2476

Inverse Universe

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



27.3832, 0.3516, 0.2459



37.0132, 0.3636, 0.2301



50.0933, 0.3924, 0.4240



11.9448, 0.3184, 0.3130



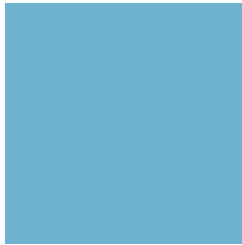
9.6361, 0.4162, 0.2066



0.5526, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 39.2005, 0.2424, 0.2854 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 39.2005, 0.2424, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

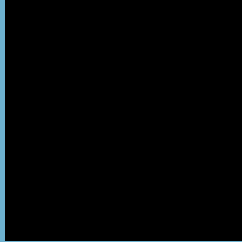
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2005, 0.2424, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 39.2005, 0.2424, 0.2854.

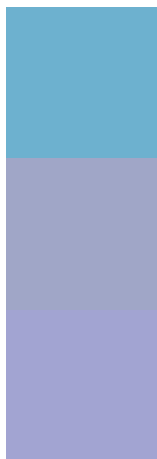


This preview shows how white text looks on a background with the Yxy color 39.2005, 0.2424, 0.2854.

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

39.2005, 0.2424, 0.2854

Protanopia

38.8695, 0.2810, 0.2841

Deuteranopia

38.8854, 0.2744, 0.2680



Tritanopia

39.1385, 0.2480, 0.3064

Trichromacy



Original Color

39.2005, 0.2424, 0.2854

Protanomaly

38.6764, 0.2646, 0.2841

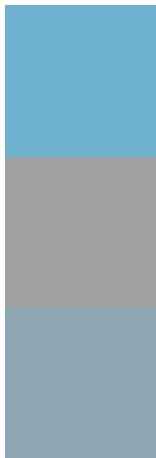
Deuteranomaly

38.8190, 0.2613, 0.2739

Tritanomaly

39.0285, 0.2455, 0.2978

Monochromacy



Original Color

39.2005, 0.2424, 0.2854

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.1095, 0.2818, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2005, 0.2424, 0.2854 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, 177, 207)` looks like.

```
.text, #text, p{  
    color:rgb(109, 177, 207)  
}
```

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, 177, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 177, 207) }
```

Border

The CSS property to change the border of an element to Yxy 39.2005, 0.2424, 0.2854 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, 177, 207) }
```

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

```
.border{ border-color:rgb(109, 177, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 177, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 177, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 177, 207); box-shadow:4px 4px 4px 4px rgb(109, 177, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2005, 0.2424, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 177, 207) }
```

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

```
.background{ background-color: rgb(109,  
177, 207) }
```

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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