

Converting Colors

$Yxy(41.4817, 0.2344, 0.2765)$

Have a look what the booklet for
Yxy(41.4817, 0.2344, 0.2765)
contains.

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Color

Yxy(41.4539, 0.2345, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	67B6DB
RGB	103, 182, 219
RGB Percent	40%, 71%, 86%
CMY	0.5960, 0.2863, 0.1413
CMYK	0.53, 0.17, 0.00, 0.14
HSL	199°, 62%, 63%
HSV	199°, 53%, 86%
XYZ	35.1063, 41.4539, 73.1469
YIQ	162.5970, -58.9610, -5.2410

Conversions

Conversions Part 2

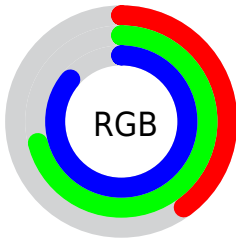
Format	Color
R _{YB}	103, 150, 219
Decimal	6797019
CIE Lab	70.49, -14.07, -26.04
CIE LCh	70, 29.595, 241.616
Yxy	41.4539, 0.2345, 0.2769
Android (android.graphics.Color)	4284987099 (0xFF67B6DB)
YUV	162.5970, 27.8067, -52.2666
Hunter-Lab	64.3847, -15.3446, -22.2896

Details

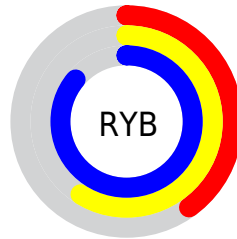
The Yxy color **41.4539, 0.2345, 0.2769** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.7900, 0.4402, 0.3732**, and the grayscale version is **36.3169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9461, 0.2583, 0.3097**, and **18.8122, 0.2133, 0.2608** is the 20% darker color. If you saturate the color by 10%, you get **37.5365, 0.2225, 0.2650**, and if you desaturate by 10%, it is **45.8560, 0.2479, 0.2883**.

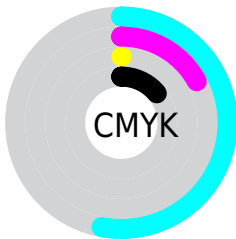
Distribution



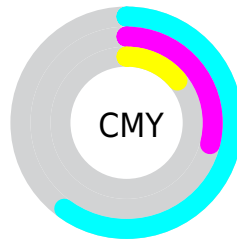
- Red (40%)
- Green (71%)
- Blue (86%)



- Red (40%)
- Yellow (59%)
- Blue (86%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4539, 0.2345, 0.2769 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 41.4539, 0.2345, 0.2769 by changing the saturation by 10% instead.

■ 41.4539, 0.2345,
0.2769

■ 41.4539, 0.2345,
0.2769

■ 352.2141, 0.2730,
0.3038

■ 28.6739, 0.2252,
0.2700

■ 77.3725, 0.2483,
0.2868

■ 18.8343, 0.2134,
0.2612

■ 101.2798, 0.2535,
0.2905

■ 11.5506, 0.1982,
0.2493

■ 129.6651, 0.2580,
0.2936

■ 6.4385, 0.1779,
0.2328

■ 162.9127, 0.2619,
0.2962

■ 3.1135, 0.1497,
0.2086

■ 201.4070, 0.2652,
0.2985

■ 1.1913, 0.1091,
0.1709

■ 245.5324, 0.2681,

■ 0.0546, 0.0000,

0.3005

0.0242

295.6733, 0.2707,
0.3023

0.0000, 0.0000,
0.0000

41.4539, 0.2345,
0.2769

41.4539, 0.2345,
0.2769

37.5365, 0.2225,
0.2650

45.8560, 0.2479,
0.2883

34.0700, 0.2123,
0.2528

50.7643, 0.2623,
0.2991

31.0227, 0.2041,
0.2406


56.2043, 0.2774,
0.3091

28.3549, 0.1979,
0.2285


62.1981, 0.2928,
0.3183

26.6564, 0.1945,
0.2201

68.7663, 0.3082,
0.3267

 75.9285, 0.3234,
0.3342

 83.4543, 0.3373,
0.3409

 87.4379, 0.3363,
0.3478

 91.5792, 0.3354,
0.3545

Harmonies

Analogous

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



41.4539, 0.2381, 0.3091



41.4539, 0.2345, 0.2769



41.4539, 0.2498, 0.2610

Triad

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



41.4539, 0.2345, 0.2769



41.4539, 0.3660, 0.3062



41.4539, 0.3399, 0.4063

Complementary

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



41.4539, 0.2345, 0.2769



34.7900, 0.4402, 0.3732

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.



41.4539, 0.3769, 0.3992



41.4539, 0.2345, 0.2769



41.4539, 0.3934, 0.3402

Square

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



41.4539, 0.2345, 0.2769



41.4539, 0.3241, 0.2785



41.4539, 0.3972, 0.3739



41.4539, 0.2972, 0.3885

Rectangle

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



41.4539, 0.2345, 0.2769



41.4539, 0.2695, 0.2600



41.4539, 0.3972, 0.3739



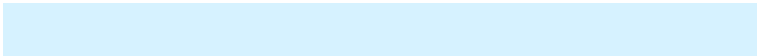
41.4539, 0.3535, 0.4065

Sweetspot

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



41.4554, 0.2345, 0.2769



85.0454, 0.2878, 0.3155



55.4182, 0.2860, 0.4448



17.8244, 0.2846, 0.3136



0.0000, 0.0000, 0.0000



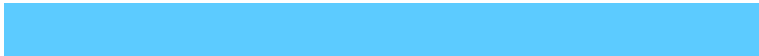
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4554, 0.2345, 0.2769



52.1808, 0.2208, 0.2631



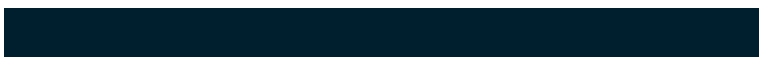
22.4850, 0.2170, 0.1904



14.0929, 0.2982, 0.3214



16.0163, 0.1950, 0.2219



1.1904, 0.2004, 0.2414

Inverse Universe

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



28.1392, 0.3599, 0.2383



33.1899, 0.3748, 0.2228



56.2925, 0.4013, 0.4362



13.2005, 0.3186, 0.3132



10.2406, 0.4212, 0.2094



0.6789, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 41.4539, 0.2345, 0.2769 looks on a white background.

Color Contrast Check

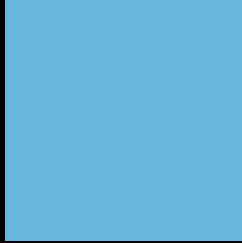
Large Text (above 18pt) WCAG AA × Fail

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 41.4539, 0.2345, 0.2769 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 41.4539, 0.2345, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 41.4539, 0.2345, 0.2769.

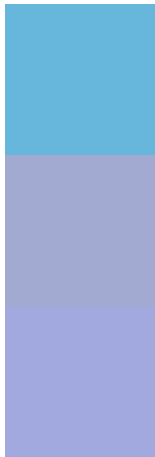


This preview shows how white text looks on a background with the Yxy color 41.4539, 0.2345, 0.2769.

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

41.4539, 0.2345, 0.2769

Protanopia

41.0840, 0.2750, 0.2762

Deuteranopia

41.2269, 0.2660, 0.2607



Tritanopia

41.3549, 0.2417, 0.3066

Trichromacy



Original Color

41.4539, 0.2345, 0.2769

Protanomaly

40.7389, 0.2582, 0.2759

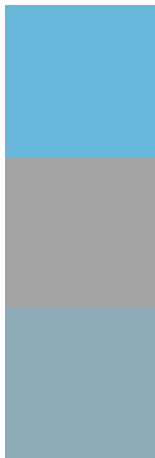
Deuteranomaly

41.0680, 0.2527, 0.2661

Tritanomaly

41.4386, 0.2392, 0.2955

Monochromacy



Original Color

41.4539, 0.2345, 0.2769

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8311, 0.2778, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4539, 0.2345, 0.2769 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(103, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(103, 182, 219)  
}
```

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(103, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 182, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.4539, 0.2345, 0.2769 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(103, 182, 219) }
```

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

```
.border{ border-color:rgb(103, 182, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(103, 182,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4539, 0.2345, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 182, 219) }
```

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

```
.background{ background-color: rgb(103,  
182, 219) }
```

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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