

Converting Colors

$Y_{xy}(41.5945, 0.2351, 0.2644)$

Have a look what the booklet for
Yxy(41.5945, 0.2351, 0.2644)
contains.

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Color

Yxy(41.6993, 0.2349, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	71B4E3
RGB	113, 180, 227
RGB Percent	44%, 71%, 89%
CMY	0.5572, 0.2941, 0.1097
CMYK	0.50, 0.21, 0.00, 0.11
HSL	205°, 67%, 67%
HSV	205°, 50%, 89%
XYZ	36.9908, 41.6993, 78.7846
YIQ	165.3250, -55.0190, 0.4130

Conversions

Conversions Part 2

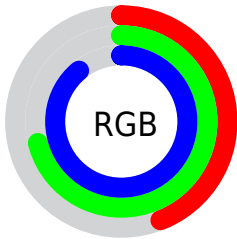
Format	Color
R _Y B	113, 155, 227
Decimal	7451875
CIE Lab	70.66, -8.50, -30.13
CIE LCh	71, 31.308, 254.255
Yxy	41.6993, 0.2349, 0.2648
Android (android.graphics.Color)	4285641955 (0xFF71B4E3)
YUV	165.3250, 30.4058, -45.8890
Hunter-Lab	64.5750, -10.7552, -27.1341

Details

The Yxy color **41.6993, 0.2349, 0.2648** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.6422, 0.4246, 0.3835**, and the grayscale version is **37.6554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7570, 0.2625, 0.3077**, and **18.8759, 0.2142, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **36.7297, 0.2212, 0.2492**, and if you desaturate by 10%, it is **47.3032, 0.2497, 0.2797**.

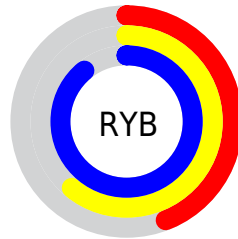
Distribution



Red (44%)

Green (71%)

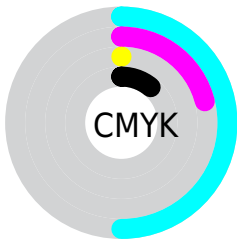
Blue (89%)



Red (44%)

Yellow (61%)

Blue (89%)

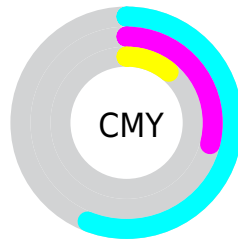


Cyan (50%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6993, 0.2349, 0.2648 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 41.6993, 0.2349, 0.2648 by changing the saturation by 10% instead.

■ 41.6993, 0.2349,
0.2648

■ 41.6993, 0.2349,
0.2648

■ 353.2349, 0.2732,
0.2973

■ 28.8659, 0.2257,
0.2567

■ 77.7443, 0.2486,
0.2766

■ 18.9794, 0.2141,
0.2464

■ 101.7247, 0.2538,
0.2810

■ 11.6554, 0.1991,
0.2329

■ 130.1896, 0.2582,
0.2848

■ 6.5095, 0.1791,
0.2145

■ 163.5234, 0.2621,
0.2880

■ 3.1573, 0.1516,
0.1883

■ 202.1104, 0.2654,
0.2908

■ 1.2144, 0.1128,
0.1494

■ 246.3351, 0.2683,

■ 0.0734, 0.0000,

0.2932

0.0258

296.5818, 0.2709,
0.2954

0.0000, 0.0000,
0.0000

41.6993, 0.2349,
0.2648

41.6993, 0.2349,
0.2648

36.7297, 0.2212,
0.2492

47.3032, 0.2497,
0.2797

32.3563, 0.2091,
0.2332

53.5675, 0.2653,
0.2936

28.5427, 0.1989,
0.2170

60.5217, 0.2811,
0.3065

25.2446, 0.1909,
0.2011

68.1920, 0.2969,
0.3182

22.4563, 0.1851,
0.1862

76.6032, 0.3123,
0.3287

 85.7784, 0.3273,
0.3382

 92.4051, 0.3302,
0.3471

 98.2230, 0.3292,
0.3560

 98.3271, 0.3291,
0.3562

Harmonies

Analogous

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



41.6993, 0.2302, 0.2916



41.6993, 0.2349, 0.2648



41.6993, 0.2587, 0.2560

Triad

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



41.6993, 0.2349, 0.2648



41.6993, 0.3838, 0.3195



41.6993, 0.3222, 0.4062

Complementary

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



41.6993, 0.2349, 0.2648



42.6422, 0.4246, 0.3835

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.



41.6993, 0.3653, 0.4092



41.6993, 0.2349, 0.2648



41.6993, 0.4029, 0.3559

Square

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



41.6993, 0.2349, 0.2648



41.6993, 0.3442, 0.2870



41.6993, 0.3955, 0.3890



41.6993, 0.2785, 0.3771

Rectangle

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



41.6993, 0.2349, 0.2648



41.6993, 0.2835, 0.2598



41.6993, 0.3955, 0.3890



41.6993, 0.3373, 0.4102

Sweetspot

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



41.7008, 0.2349, 0.2648



83.8079, 0.2892, 0.3127



60.9420, 0.2819, 0.4242



17.4889, 0.2859, 0.3102



0.0000, 0.0000, 0.0000



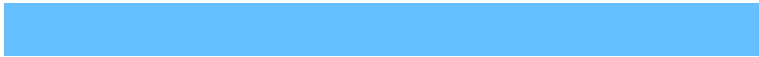
21.4041, 0.3127, 0.3290

Same Dimension

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



41.7008, 0.2349, 0.2648



47.7289, 0.2210, 0.2490



23.5524, 0.2194, 0.1851



15.2886, 0.2981, 0.3191



13.3294, 0.1857, 0.1885



1.1670, 0.1920, 0.2110

Inverse Universe

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



31.4235, 0.3693, 0.2532



34.5670, 0.3863, 0.2406



66.4361, 0.3919, 0.4404



14.5095, 0.3201, 0.3153



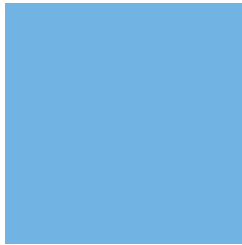
10.5433, 0.4585, 0.2300



0.7975, 0.4330, 0.2159

Previews

White Background



This preview shows how the Yxy color 41.6993, 0.2349, 0.2648 looks on a white background.

Color Contrast Check

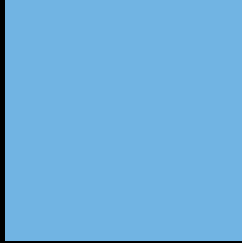
Large Text (above 18pt) WCAG AA × Fail

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 41.6993, 0.2349, 0.2648 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

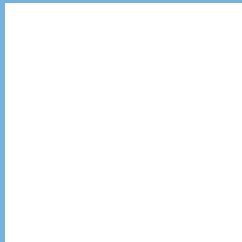
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6993, 0.2349, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 41.6993, 0.2349, 0.2648.



This preview shows how white text looks on a background with the Yxy color 41.6993, 0.2349, 0.2648.

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

41.6993, 0.2349, 0.2648

Protanopia

41.2877, 0.2660, 0.2640

Deuteranopia

41.2012, 0.2586, 0.2523



Tritanopia

41.8111, 0.2458, 0.3069

Trichromacy



Original Color

41.6993, 0.2349, 0.2648

Protanomaly

41.3506, 0.2528, 0.2639

Deuteranomaly

41.1513, 0.2491, 0.2567

Tritanomaly

41.6459, 0.2414, 0.2903

Monochromacy



Original Color

41.6993, 0.2349, 0.2648

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4913, 0.2781, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6993, 0.2349, 0.2648 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(113, 180, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 180, 227)  
}
```

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(113, 180, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 180, 227) }
```

Border

The CSS property to change the border of an element to Yxy 41.6993, 0.2349, 0.2648 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(113, 180, 227) }
```

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

```
.border{ border-color:rgb(113, 180, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 180, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 180, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 180, 227);  
box-shadow:4px 4px 4px 4px rgb(113, 180,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6993, 0.2349, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 180, 227) }
```

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

```
.background{ background-color: rgb(113,  
180, 227) }
```

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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