

Converting Colors

$Y_{xy}(42.0114, 0.2355, 0.2674)$

Have a look what the booklet for
Yxy(42.0114, 0.2355, 0.2674)
contains.

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Color

Yxy(42.0494, 0.2357, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	71B5E2
RGB	113, 181, 226
RGB Percent	44%, 71%, 89%
CMY	0.5569, 0.2902, 0.1136
CMYK	0.50, 0.20, 0.00, 0.11
HSL	204°, 66%, 66%
HSV	204°, 50%, 89%
XYZ	37.0645, 42.0494, 78.1389
YIQ	165.7980, -54.9730, -0.4210

Conversions

Conversions Part 2

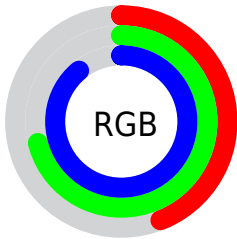
Format	Color
RYB	113, 155, 226
Decimal	7452130
CIELab	70.90, -9.30, -29.22
CIELCh	71, 30.667, 252.355
Yxy	42.0494, 0.2357, 0.2674
Android (android.graphics.Color)	4285642210 (0xFF71B5E2)
YUV	165.7980, 29.6796, -46.3038
Hunter-Lab	64.8455, -11.4524, -26.0527

Details

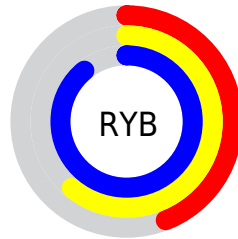
The Yxy color **42.0494, 0.2357, 0.2674** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.8322, 0.4248, 0.3815**, and the grayscale version is **37.9057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3344, 0.2626, 0.3088**, and **19.1355, 0.2147, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **37.1890, 0.2222, 0.2524**, and if you desaturate by 10%, it is **47.5229, 0.2504, 0.2817**.

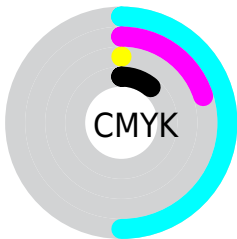
Distribution



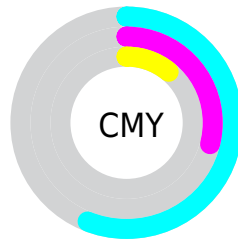
- Red (44%)
- Green (71%)
- Blue (89%)



- Red (44%)
- Yellow (61%)
- Blue (89%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0494, 0.2357, 0.2674 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 42.0494, 0.2357, 0.2674 by changing the saturation by 10% instead.

■ 42.0494, 0.2357,
0.2674

■ 42.0494, 0.2357,
0.2674

■ 354.6877, 0.2736,
0.2986

■ 29.1400, 0.2266,
0.2596

■ 78.2744, 0.2492,
0.2788

■ 19.1867, 0.2151,
0.2497

■ 102.3587, 0.2544,
0.2830

■ 11.8053, 0.2003,
0.2366

■ 130.9368, 0.2588,
0.2866

■ 6.6112, 0.1805,
0.2187

■ 164.3931, 0.2626,
0.2897

■ 3.2202, 0.1533,
0.1932

■ 203.1119, 0.2658,
0.2924

■ 1.2477, 0.1146,
0.1549

■ 247.4777, 0.2687,

■ 0.1002, 0.0000,

0.2947

0.0357

297.8748, 0.2713,
0.2968

0.0000, 0.0000,
0.0000

42.0494, 0.2357,
0.2674

42.0494, 0.2357,
0.2674

37.1890, 0.2222,
0.2524

47.5229, 0.2504,
0.2817

32.9044, 0.2102,
0.2369

53.6346, 0.2658,
0.2952

29.1604, 0.2002,
0.2213

60.4133, 0.2815,
0.3075

25.9138, 0.1923,
0.2060


67.8845, 0.2973,
0.3188


23.0951, 0.1864,
0.1911

76.0720, 0.3127,
0.3290

 84.9986, 0.3277,
0.3381

 91.4778, 0.3310,
0.3467

 97.0317, 0.3300,
0.3553

 98.2729, 0.3297,
0.3571

Harmonies

Analogous

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



42.0494, 0.2323, 0.2948



42.0494, 0.2357, 0.2674



42.0494, 0.2579, 0.2576

Triad

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



42.0494, 0.2357, 0.2674



42.0494, 0.3802, 0.3175



42.0494, 0.3249, 0.4053

Complementary

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



42.0494, 0.2357, 0.2674



41.8322, 0.4248, 0.3815

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.



42.0494, 0.3666, 0.4067



42.0494, 0.2357, 0.2674



42.0494, 0.4004, 0.3532

Square

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



42.0494, 0.2357, 0.2674



42.0494, 0.3407, 0.2861



42.0494, 0.3948, 0.3860



42.0494, 0.2818, 0.3783

Rectangle

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



42.0494, 0.2357, 0.2674



42.0494, 0.2817, 0.2606



42.0494, 0.3948, 0.3860



42.0494, 0.3396, 0.4087

Sweetspot

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



42.0510, 0.2357, 0.2674



84.1127, 0.2893, 0.3132



60.3340, 0.2830, 0.4264



17.5624, 0.2859, 0.3108



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.



42.0510, 0.2357, 0.2674



48.6470, 0.2217, 0.2518



23.9729, 0.2205, 0.1886



14.6081, 0.2981, 0.3194



13.4094, 0.1871, 0.1934



1.1031, 0.1935, 0.2165

Inverse Universe

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



31.3205, 0.3670, 0.2520



34.6597, 0.3838, 0.2387



64.8786, 0.3925, 0.4382



13.8383, 0.3198, 0.3150



10.2617, 0.4528, 0.2268



0.7288, 0.4270, 0.2126

Previews

White Background



This preview shows how the Yxy color 42.0494, 0.2357, 0.2674 looks on a white background.

Color Contrast Check

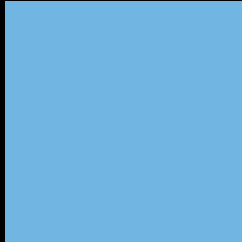
Large Text (above 18pt) WCAG AA × Fail

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 42.0494, 0.2357, 0.2674 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

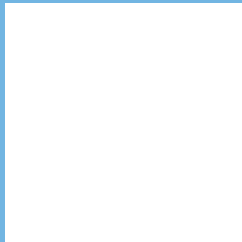
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0494, 0.2357, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 42.0494, 0.2357, 0.2674.



This preview shows how white text looks on a background with the Yxy color 42.0494, 0.2357, 0.2674.

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

42.0494, 0.2357, 0.2674

Protanopia

41.8174, 0.2683, 0.2668

Deuteranopia

41.7218, 0.2609, 0.2550



Tritanopia

42.2912, 0.2466, 0.3084

Trichromacy



Original Color

42.0494, 0.2357, 0.2674

Protanomaly

41.8632, 0.2549, 0.2667

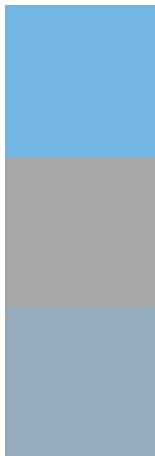
Deuteranomaly

41.5689, 0.2505, 0.2593

Tritanomaly

42.0726, 0.2427, 0.2932

Monochromacy



Original Color

42.0494, 0.2357, 0.2674

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9597, 0.2790, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0494, 0.2357, 0.2674 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, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(113, 181, 226)  
}
```

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, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 181, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.0494, 0.2357, 0.2674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

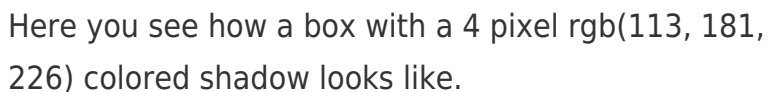
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 181, 226) }
```

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

```
.border{ border-color:rgb(113, 181, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 181, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 181, 226); box-shadow:4px 4px 4px 4px rgb(113, 181, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0494, 0.2357, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 181, 226) }
```

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

```
.background{ background-color: rgb(113,  
181, 226) }
```

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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