

Converting Colors

$Y_{xy}(38.3886, 0.2263, 0.2366)$

Have a look what the booklet for
Yxy(38.3886, 0.2263, 0.2366)
contains.

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Color

Yxy(38.4922, 0.2264, 0.2370)

Conversions

Conversions Part 1	
Format	Color
Hex	71AAEF
RGB	113, 170, 239
RGB Percent	44%, 67%, 94%
CMY	0.5566, 0.3334, 0.0627
CMYK	0.53, 0.29, 0.00, 0.06
HSL	213°, 80%, 69%
HSV	213°, 53%, 94%
XYZ	36.7706, 38.4922, 87.1515
YIQ	160.8230, -56.1210, 9.3750

Conversions

Conversions Part 2

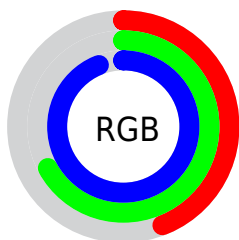
Format	Color
RYB	113, 152, 239
Decimal	7449327
CIELab	68.38, 0.61, -40.21
CIELCh	68, 40.214, 270.872
Yxy	38.4922, 0.2264, 0.2370
Android (android.graphics.Color)	4285639407 (0xFF71AAEF)
YUV	160.8230, 38.5413, -41.9408
Hunter-Lab	62.0421, -2.7817, -39.8562

Details

The Yxy color $38.4922, 0.2264, 0.2370$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $53.0317, 0.4213, 0.4038$, and the grayscale version is $35.3990, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7284, 0.2614, 0.2951$, and $17.0796, 0.2031, 0.2116$ is the 20% darker color. If you saturate the color by 10%, you get $32.4426, 0.2111, 0.2156$, and if you desaturate by 10%, it is $45.4512, 0.2428, 0.2576$.

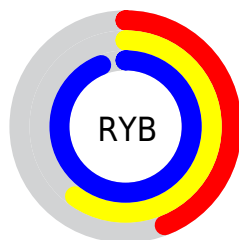
Distribution



Red (44%)

Green (67%)

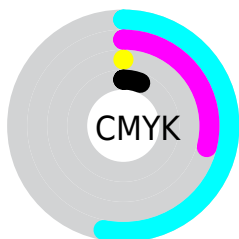
Blue (94%)



Red (44%)

Yellow (60%)

Blue (94%)

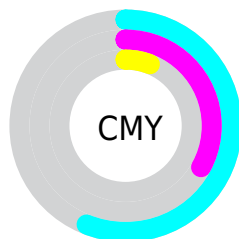


Cyan (53%)

Magenta (29%)

Yellow (0%)

Black (6%)



Cyan (56%)


Magenta (33%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4922, 0.2264, 0.2370 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 38.4922, 0.2264, 0.2370 by changing the saturation by 10% instead.

 38.4922, 0.2264,
0.2370


 38.4922, 0.2264,
0.2370


339.7267, 0.2692,
0.2825

 26.3649, 0.2161,
0.2261


 72.8619, 0.2417,
0.2533

 17.0968, 0.2032,
0.2123


 95.8732, 0.2475,
0.2595

 10.3036, 0.1866,
0.1948


 123.2812, 0.2525,
0.2648

 5.6007, 0.1647,
0.1717

155.4704, 0.2568,
0.2693

 2.6038, 0.1354,
0.1407

192.8251, 0.2605,
0.2733

 0.9286, 0.0956,
0.0988

235.7298, 0.2637,


 0.0000, 0.0000,


0.2767

0.0000


284.5689, 0.2666,
0.2798


 38.4922, 0.2264,
0.2370


 38.4922, 0.2264,
0.2370


 32.4426, 0.2111,
0.2156


 45.4512, 0.2428,
0.2576


 27.2504, 0.1974,
0.1940


 53.3589, 0.2596,
0.2769


 22.8635, 0.1859,
0.1729


 62.2569, 0.2764,
0.2947


 19.2194, 0.1771,
0.1529

 72.1829, 0.2929,
0.3109

 16.9637, 0.1721,
0.1393

 83.1723, 0.3086,
0.3254

 94.9791, 0.3226,
0.3383

 99.0119, 0.3220,
0.3444

Harmonies

Analogous

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



38.4922, 0.2071, 0.2572



38.4922, 0.2264, 0.2370



38.4922, 0.2681, 0.2390

Triad

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



38.4922, 0.2264, 0.2370



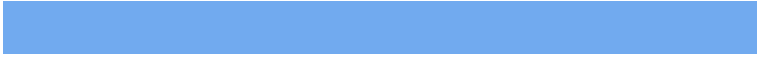
38.4922, 0.4250, 0.3406



38.4922, 0.2912, 0.4155

Complementary

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



38.4922, 0.2264, 0.2370



53.0317, 0.4213, 0.4038

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.



38.4922, 0.3497, 0.4384



38.4922, 0.2264, 0.2370



38.4922, 0.4299, 0.3865

Square

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



38.4922, 0.2264, 0.2370



38.4922, 0.3855, 0.2961



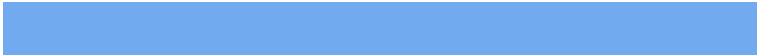
38.4922, 0.4010, 0.4240



38.4922, 0.2413, 0.3608

Rectangle

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



38.4922, 0.2264, 0.2370



38.4922, 0.3057, 0.2512



38.4922, 0.4010, 0.4240



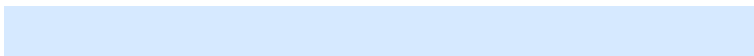
38.4922, 0.3105, 0.4275

Sweetspot

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



38.4936, 0.2264, 0.2370



79.6217, 0.2874, 0.3056



68.5525, 0.2725, 0.4066



16.5307, 0.2840, 0.3023



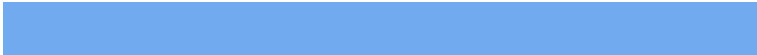
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.4936, 0.2264, 0.2370



37.2434, 0.2103, 0.2145



21.8581, 0.2137, 0.1618



16.4055, 0.2980, 0.3157



9.6290, 0.1729, 0.1422



0.9972, 0.1798, 0.1673

Inverse Universe

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



33.0782, 0.3943, 0.2674



32.1166, 0.4201, 0.2583



80.5546, 0.3862, 0.4572



15.8776, 0.3222, 0.3184



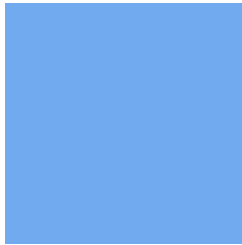
10.7654, 0.5161, 0.2617



0.9154, 0.4839, 0.2440

Previews

White Background



This preview shows how the Yxy color 38.4922, 0.2264, 0.2370 looks on a white background.

Color Contrast Check

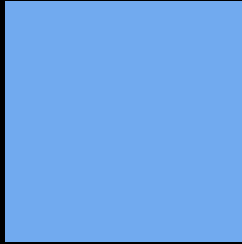
Large Text (above 18pt) WCAG AA × Fail

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 38.4922, 0.2264, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

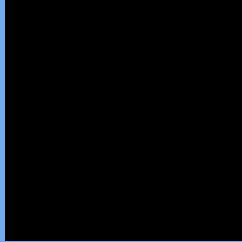
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

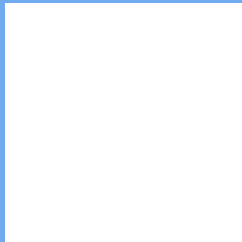
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4922, 0.2264, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 38.4922, 0.2264, 0.2370.



This preview shows how white text looks on a background with the Yxy color 38.4922, 0.2264, 0.2370.

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

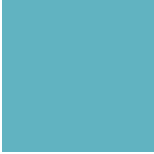
38.4922, 0.2264, 0.2370

Protanopia

38.4207, 0.2458, 0.2383

Deuteranopia

38.4358, 0.2376, 0.2322



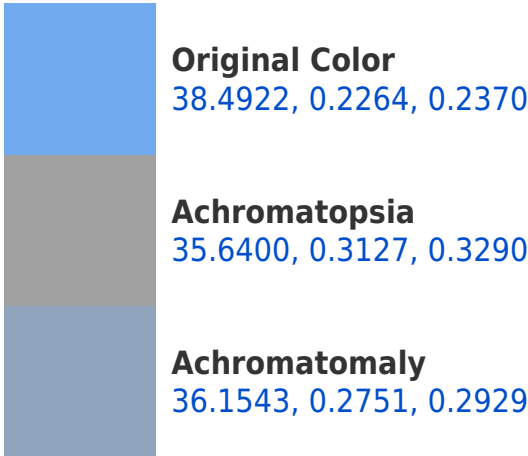
Tritanopia

38.6318, 0.2442, 0.3076

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4922, 0.2264, 0.2370 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, 170, 239) looks like.

```
.text, #text, p{  
    color:rgb(113, 170, 239)  
}
```

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, 170, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 170, 239) }
```

Border

The CSS property to change the border of an element to Yxy 38.4922, 0.2264, 0.2370 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, 170, 239) }
```

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

```
.border{ border-color:rgb(113, 170, 239) }
```

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

Here you see how a box with a 4 pixel rgb(113, 170, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 170, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 170, 239);  
box-shadow:4px 4px 4px 4px rgb(113, 170,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4922, 0.2264, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 170, 239) }
```

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

```
.background{ background-color: rgb(113,  
170, 239) }
```

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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