

Converting Colors

$Y_{xy}(38.5943, 0.2360, 0.2447)$

Have a look what the booklet for
Yxy(38.5943, 0.2360, 0.2447)
contains.

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Color

Yxy(38.5621, 0.2361, 0.2447)

Conversions

Conversions Part 1

Format	Color
Hex	7DA9E8
RGB	125, 169, 232
RGB Percent	49%, 66%, 91%
CMY	0.5099, 0.3372, 0.0902
CMYK	0.46, 0.27, 0.00, 0.09
HSL	215°, 70%, 70%
HSV	215°, 46%, 91%
XYZ	37.2068, 38.5621, 81.8204
YIQ	163.0260, -46.4470, 10.2650

Conversions

Conversions Part 2

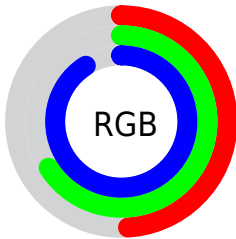
Format	Color
RYB	125, 156, 232
Decimal	8235496
CIELab	68.43, 1.83, -36.26
CIELCh	68, 36.301, 272.885
Yxy	38.5621, 0.2361, 0.2447
Android (android.graphics.Color)	4286425576 (0xFF7DA9E8)
YUV	163.0260, 34.0042, -33.3488
Hunter-Lab	62.0984, -1.7222, -34.6512

Details

The Yxy color **38.5621, 0.2361, 0.2447** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.5835, 0.4024, 0.3997**, and the grayscale version is **36.4902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4764, 0.2674, 0.2945**, and **17.0861, 0.2149, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **32.1990, 0.2195, 0.2223**, and if you desaturate by 10%, it is **45.8663, 0.2533, 0.2660**.

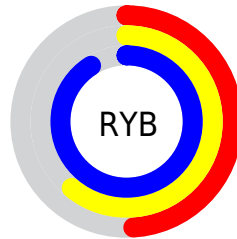
Distribution



Red (49%)

Green (66%)

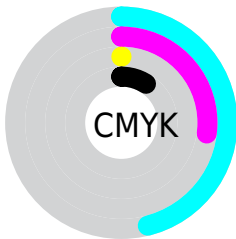
Blue (91%)



Red (49%)

Yellow (61%)

Blue (91%)

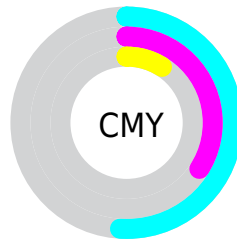


Cyan (46%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (51%)


Magenta (34%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5621, 0.2361, 0.2447 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 38.5621, 0.2361, 0.2447 by changing the saturation by 10% instead.


 38.5621, 0.2361,
0.2447


 38.5621, 0.2361,
0.2447


340.0251, 0.2744,
0.2866

 26.4192, 0.2268,
0.2345


 72.9689, 0.2499,
0.2597

 17.1375, 0.2149,
0.2217


 96.0016, 0.2551,
0.2654

 10.3326, 0.1996,
0.2052


 123.4330, 0.2595,
0.2703

 5.6200, 0.1791,
0.1832

155.6476, 0.2634,
0.2745

 2.6154, 0.1509,
0.1530

193.0297, 0.2667,
0.2781

 0.9344, 0.1110,
0.1109

235.9637, 0.2696,

 0.0000, 0.0000,

0.2813

0.0000

284.8341, 0.2721,
0.2841

■ 38.5621, 0.2361,
0.2447

■ 38.5621, 0.2361,
0.2447

■ 32.1990, 0.2195,
0.2223

■ 45.8663, 0.2533,
0.2660

■ 26.7276, 0.2041,
0.1992

■ 54.1488, 0.2705,
0.2858

■ 22.0999, 0.1906,
0.1763

■ 63.4497, 0.2873,
0.3038

■ 18.2598, 0.1795,
0.1544

■ 73.8056, 0.3033,
0.3200

■ 15.1411, 0.1713,
0.1344

■ 85.2509, 0.3185,
0.3344

■ 14.0930, 0.1687,
0.1271

■ 96.0371, 0.3266,
0.3474

■ 98.6058, 0.3262,
0.3513

Harmonies

Analogous

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



38.5621, 0.2168, 0.2622



38.5621, 0.2361, 0.2447



38.5621, 0.2756, 0.2476

Triad

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



38.5621, 0.2361, 0.2447



38.5621, 0.4152, 0.3432



38.5621, 0.2903, 0.4037

Complementary

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



38.5621, 0.2361, 0.2447



54.5835, 0.4024, 0.3997

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.



38.5621, 0.3434, 0.4269



38.5621, 0.2361, 0.2447



38.5621, 0.4179, 0.3848

Square

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



38.5621, 0.2361, 0.2447



38.5621, 0.3816, 0.3019



38.5621, 0.3905, 0.4171



38.5621, 0.2457, 0.3541

Rectangle

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



38.5621, 0.2361, 0.2447



38.5621, 0.3103, 0.2595



38.5621, 0.3905, 0.4171



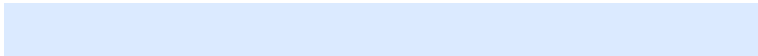
38.5621, 0.3077, 0.4151

Sweetspot

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



38.5635, 0.2361, 0.2447



81.1663, 0.2906, 0.3073



65.6726, 0.2733, 0.3875



16.8019, 0.2871, 0.3036



0.0000, 0.0000, 0.0000



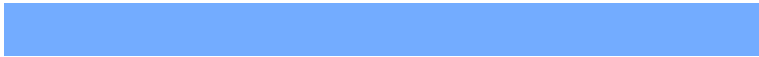
21.4041, 0.3127, 0.3290

Same Dimension

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



38.5635, 0.2361, 0.2447



40.5278, 0.2209, 0.2242



25.5464, 0.2317, 0.1867



14.8563, 0.2981, 0.3148



8.0585, 0.1695, 0.1301



0.7748, 0.1775, 0.1589

Inverse Universe

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



34.6806, 0.3847, 0.2793



36.4607, 0.4071, 0.2707



74.8893, 0.3741, 0.4446



14.4658, 0.3228, 0.3194



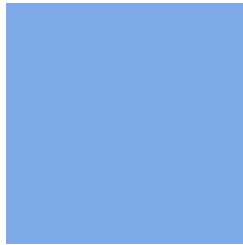
10.0112, 0.5325, 0.2707



0.7579, 0.4945, 0.2498

Previews

White Background



This preview shows how the Yxy color 38.5621, 0.2361, 0.2447 looks on a white background.

Color Contrast Check

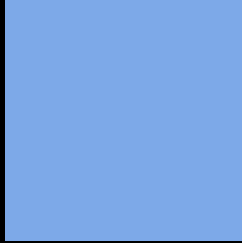
Large Text (above 18pt) WCAG AA × Fail

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 38.5621, 0.2361, 0.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

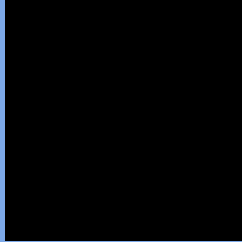
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

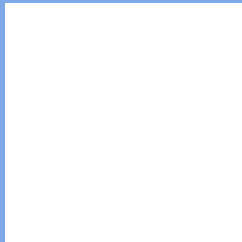
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5621, 0.2361, 0.2447

Background



This preview shows how black text looks on a background with the Yxy color 38.5621, 0.2361, 0.2447.



This preview shows how white text looks on a background with the Yxy color 38.5621, 0.2361, 0.2447.

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

38.5621, 0.2361, 0.2447

Protanopia

38.3554, 0.2514, 0.2452

Deuteranopia

38.2738, 0.2457, 0.2392



Tritanopia

38.7166, 0.2540, 0.3079

Trichromacy



Original Color

38.5621, 0.2361, 0.2447

Protanomaly

38.4185, 0.2458, 0.2457

Deuteranomaly

38.3899, 0.2416, 0.2409

Tritanomaly

38.5102, 0.2468, 0.2828

Monochromacy



Original Color

38.5621, 0.2361, 0.2447

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.9307, 0.2800, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5621, 0.2361, 0.2447 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(125, 169, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 169, 232)  
}
```

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(125, 169, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 169, 232) }
```

Border

The CSS property to change the border of an element to Yxy 38.5621, 0.2361, 0.2447 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(125, 169, 232) }
```

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

```
.border{ border-color:rgb(125, 169, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 169, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 169, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 169, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 169,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5621, 0.2361, 0.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 169, 232) }
```

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

```
.background{ background-color: rgb(125,  
169, 232) }
```

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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