

Converting Colors

$Y_{xy}(38.0750, 0.2543, 0.2454)$

Have a look what the booklet for
Yxy(38.0750, 0.2543, 0.2454)
contains.

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Color

Yxy(38.2245, 0.2539, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	96A3E3
RGB	150, 163, 227
RGB Percent	59%, 64%, 89%
CMY	0.4119, 0.3607, 0.1099
CMYK	0.34, 0.28, 0.00, 0.11
HSL	230°, 58%, 74%
HSV	230°, 34%, 89%
XYZ	39.5324, 38.2245, 77.9437
YIQ	166.4090, -28.2920, 17.1480

Conversions

Conversions Part 2

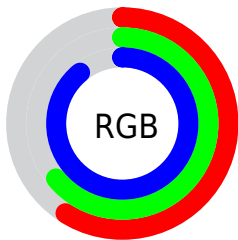
Format	Color
R _Y B	150, 161, 227
Decimal	9872355
CIE Lab	68.19, 10.36, -33.76
CIE LCh	68, 35.317, 287.057
Yxy	38.2245, 0.2539, 0.2455
Android (android.graphics.Color)	4288062435 (0xFF96A3E3)
YUV	166.4090, 29.8714, -14.3907
Hunter-Lab	61.8260, 5.9400, -31.4685

Details

The Yxy color **38.2245, 0.2539, 0.2455** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.5826, 0.3681, 0.4005**, and the grayscale version is **38.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4846, 0.2814, 0.2893**, and **17.0154, 0.2369, 0.2243** is the 20% darker color. If you saturate the color by 10%, you get **30.0738, 0.2341, 0.2156**, and if you desaturate by 10%, it is **47.7930, 0.2729, 0.2733**.

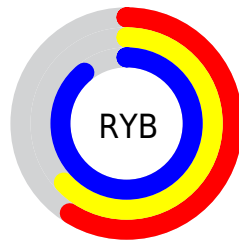
Distribution



Red (59%)

Green (64%)

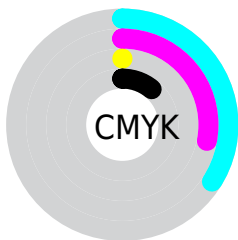
Blue (89%)



Red (59%)

Yellow (63%)

Blue (89%)

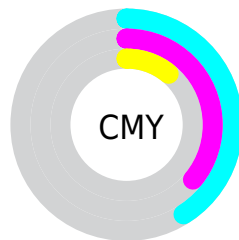


Cyan (34%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2245, 0.2539, 0.2455 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 38.2245, 0.2539, 0.2455 by changing the saturation by 10% instead.

■ 38.2245, 0.2539,
0.2455

■ 38.2245, 0.2539,
0.2455

■ 338.5820, 0.2838,
0.2866

■ 26.1570, 0.2464,
0.2356

■ 72.4521, 0.2648,
0.2602

■ 16.9411, 0.2368,
0.2231

■ 95.3810, 0.2689,
0.2658

■ 10.1925, 0.2241,
0.2070

■ 122.6991, 0.2724,
0.2706

■ 5.5268, 0.2068,
0.1856

■ 154.7908, 0.2753,
0.2747

■ 2.5595, 0.1820,
0.1562

■ 192.0406, 0.2779,
0.2782

■ 0.9064, 0.1449,
0.1147

■ 234.8328, 0.2801,

■ 0.0000, 0.0226,

0.2814

0.0000

283.5518, 0.2821,
0.2841

0.0000, 0.0000,
0.0000

38.2245, 0.2539,
0.2455

38.2245, 0.2539,
0.2455

30.0738, 0.2341,
0.2156

47.7930, 0.2729,
0.2733

23.2685, 0.2144,
0.1847

58.8385, 0.2906,
0.2985

17.7359, 0.1957,
0.1540

71.4221, 0.3068,
0.3209

13.3950, 0.1792,
0.1255

85.5999, 0.3214,
0.3407

10.1544, 0.1662,
0.1009

98.3243, 0.3292,
0.3562

■ 7.9089, 0.1573,
0.0820

■ 6.9592, 0.1537,
0.0734

Harmonies

Analogous

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



38.2245, 0.2252, 0.2531



38.2245, 0.2539, 0.2455



38.2245, 0.3001, 0.2568

Triad

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



38.2245, 0.2539, 0.2455



38.2245, 0.4180, 0.3627



38.2245, 0.2685, 0.3809

Complementary

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



38.2245, 0.2539, 0.2455



66.5826, 0.3681, 0.4005

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.



38.2245, 0.3181, 0.4178



38.2245, 0.2539, 0.2455



38.2245, 0.4060, 0.4004

Square

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



38.2245, 0.2539, 0.2455



38.2245, 0.3987, 0.3212



38.2245, 0.3687, 0.4231



38.2245, 0.2326, 0.3281

Rectangle

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



38.2245, 0.2539, 0.2455



38.2245, 0.3361, 0.2733



38.2245, 0.3687, 0.4231



38.2245, 0.2841, 0.3961

Sweetspot

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



38.2260, 0.2539, 0.2455



82.7033, 0.2971, 0.3075



66.1989, 0.2722, 0.3464



17.2173, 0.2947, 0.3042



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.



38.2260, 0.2539, 0.2455



41.8111, 0.2394, 0.2237



36.3883, 0.2709, 0.2331



14.2797, 0.2980, 0.3089



4.1750, 0.1543, 0.0753



0.4266, 0.1609, 0.0993

Inverse Universe

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



40.7751, 0.3786, 0.3139



46.0497, 0.4000, 0.3106



69.7604, 0.3452, 0.4189



14.4076, 0.3266, 0.3250



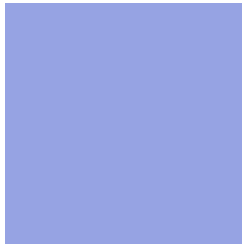
9.6192, 0.6146, 0.3159



0.7227, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 38.2245, 0.2539, 0.2455 looks on a white background.

Color Contrast Check

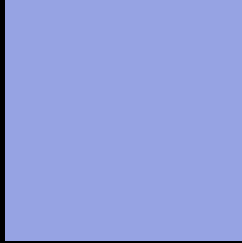
Large Text (above 18pt) WCAG AA × Fail

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 38.2245, 0.2539, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

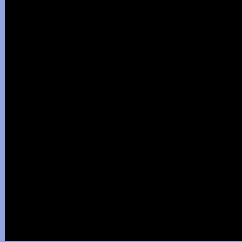
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2245, 0.2539, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 38.2245, 0.2539, 0.2455.



This preview shows how white text looks on a background with the Yxy color 38.2245, 0.2539, 0.2455.

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

38.2245, 0.2539, 0.2455

Protanopia

38.3554, 0.2514, 0.2452

Deuteranopia

38.3000, 0.2520, 0.2463



Tritanopia

38.2041, 0.2757, 0.3086

Trichromacy



Original Color

38.2245, 0.2539, 0.2455

Protanomaly

38.4483, 0.2521, 0.2454

Deuteranomaly

38.3929, 0.2527, 0.2465

Tritanomaly

38.1047, 0.2679, 0.2841

Monochromacy



Original Color

38.2245, 0.2539, 0.2455

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.0147, 0.2893, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2245, 0.2539, 0.2455 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(150, 163, 227)` looks like.

```
.text, #text, p{  
    color:rgb(150, 163, 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(150, 163, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 163, 227) }
```

Border

The CSS property to change the border of an element to Yxy 38.2245, 0.2539, 0.2455 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(150, 163, 227) }
```

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

```
.border{ border-color:rgb(150, 163, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 163, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 163, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 163, 227);  
box-shadow:4px 4px 4px 4px rgb(150, 163,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2245, 0.2539, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 163, 227) }
```

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

```
.background{ background-color: rgb(150,  
163, 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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