

Converting Colors

$Y_{xy}(38.5678, 0.2453, 0.2541)$

Have a look what the booklet for
Yxy(38.5678, 0.2453, 0.2541)
contains.

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Color

Yxy(38.7443, 0.2453, 0.2547)

Conversions

Conversions Part 1

Format	Color
Hex	85A9E0
RGB	133, 169, 224
RGB Percent	52%, 66%, 88%
CMY	0.4786, 0.3372, 0.1214
CMYK	0.41, 0.25, 0.00, 0.12
HSL	216°, 60%, 70%
HSV	216°, 41%, 88%
XYZ	37.3144, 38.7443, 76.0587
YIQ	164.5060, -39.1110, 9.4730

Conversions

Conversions Part 2

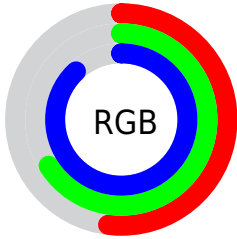
Format	Color
R _Y B	133, 159, 224
Decimal	8759776
CIE Lab	68.57, 1.61, -31.65
CIE LCh	69, 31.695, 272.906
Yxy	38.7443, 0.2453, 0.2547
Android (android.graphics.Color)	4286949856 (0xFF85A9E0)
YUV	164.5060, 29.3305, -27.6308
Hunter-Lab	62.2449, -1.9220, -28.8766

Details

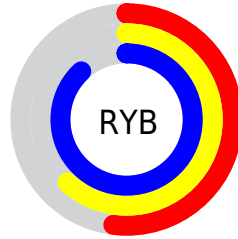
The Yxy color **38.7443, 0.2453, 0.2547** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.5089, 0.3889, 0.3929**, and the grayscale version is **37.2473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3501, 0.2715, 0.2949**, and **17.2069, 0.2257, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **32.3341, 0.2281, 0.2323**, and if you desaturate by 10%, it is **46.0677, 0.2627, 0.2757**.

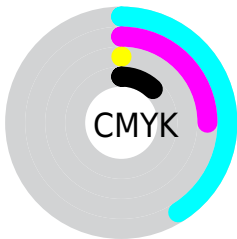
Distribution



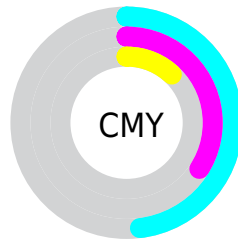
- Red (52%)
- Green (66%)
- Blue (88%)



- Red (52%)
- Yellow (62%)
- Blue (88%)



- Cyan (41%)
- Magenta (25%)
- Yellow (0%)
- Black (12%)





- Cyan (48%)
- Magenta (34%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7443, 0.2453, 0.2547 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 38.7443, 0.2453, 0.2547 by changing the saturation by 10% instead.


 38.7443, 0.2453,
0.2547


 38.7443, 0.2453,
0.2547


340.8021, 0.2792,
0.2919

 26.5609, 0.2369,
0.2456


 73.2475, 0.2576,
0.2681

 17.2437, 0.2263,
0.2340


 96.3361, 0.2622,
0.2732

 10.4084, 0.2123,
0.2189


 123.8286, 0.2661,
0.2775

 5.6706, 0.1934,
0.1984

156.1092, 0.2695,
0.2812

 2.6458, 0.1666,
0.1698

193.5625, 0.2724,
0.2844

 0.9498, 0.1274,
0.1281

236.5728, 0.2749,

 0.0000, 0.0000,

0.2872

0.0000

285.5246, 0.2772,
0.2897

■ 38.7443, 0.2453,
0.2547

■ 38.7443, 0.2453,
0.2547

■ 32.3341, 0.2281,
0.2323

■ 46.0677, 0.2627,
0.2757

■ 26.7921, 0.2118,
0.2089

■ 54.3379, 0.2797,
0.2950

■ 22.0753, 0.1970,
0.1853

■ 63.5918, 0.2962,
0.3125

■ 18.1343, 0.1843,
0.1624

■ 73.8629, 0.3117,
0.3280

■ 14.9126, 0.1744,
0.1409

■ 85.1830, 0.3263,
0.3418

■ 12.4734, 0.1675,
0.1228

■ 95.1574, 0.3315,
0.3546

■ 98.1639, 0.3309,
0.3591

Harmonies

Analogous

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



38.7443, 0.2280, 0.2708



38.7443, 0.2453, 0.2547



38.7443, 0.2805, 0.2569

Triad

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



38.7443, 0.2453, 0.2547



38.7443, 0.4020, 0.3423



38.7443, 0.2935, 0.3933

Complementary

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



38.7443, 0.2453, 0.2547



53.5089, 0.3889, 0.3929

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.



38.7443, 0.3401, 0.4138



38.7443, 0.2453, 0.2547



38.7443, 0.4047, 0.3789

Square

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



38.7443, 0.2453, 0.2547



38.7443, 0.3728, 0.3055



38.7443, 0.3812, 0.4064



38.7443, 0.2540, 0.3510

Rectangle

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



38.7443, 0.2453, 0.2547



38.7443, 0.3109, 0.2675



38.7443, 0.3812, 0.4064



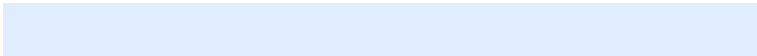
38.7443, 0.3089, 0.4032

Sweetspot

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



38.7458, 0.2453, 0.2547



83.4166, 0.2939, 0.3101



61.9288, 0.2763, 0.3771



17.4941, 0.2917, 0.3079



0.0000, 0.0000, 0.0000



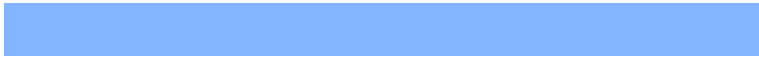
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7458, 0.2453, 0.2547



44.4114, 0.2303, 0.2352



27.9054, 0.2443, 0.2065



14.1289, 0.2981, 0.3144



7.4675, 0.1683, 0.1257



0.6888, 0.1768, 0.1564

Inverse Universe

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



35.4827, 0.3742, 0.2868



40.5136, 0.3942, 0.2782



69.4603, 0.3662, 0.4319



13.7899, 0.3230, 0.3198



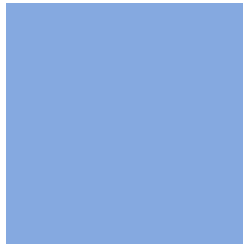
9.6619, 0.5387, 0.2741



0.6870, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 38.7443, 0.2453, 0.2547 looks on a white background.

Color Contrast Check

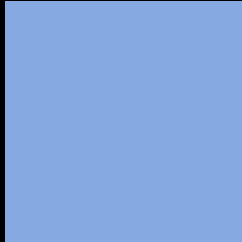
Large Text (above 18pt) WCAG AA × Fail

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 38.7443, 0.2453, 0.2547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

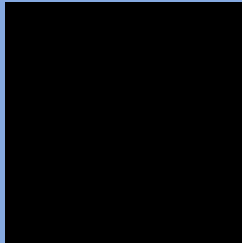
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

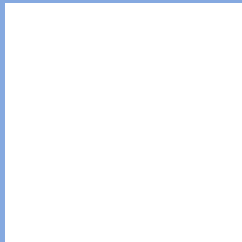
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7443, 0.2453, 0.2547

Background



This preview shows how black text looks on a background with the Yxy color 38.7443, 0.2453, 0.2547.



This preview shows how white text looks on a background with the Yxy color 38.7443, 0.2453, 0.2547.

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

38.7443, 0.2453, 0.2547

Protanopia

38.7100, 0.2587, 0.2550

Deuteranopia

38.4712, 0.2553, 0.2490



Tritanopia

38.6192, 0.2620, 0.3082

Trichromacy



Original Color

38.7443, 0.2453, 0.2547

Protanomaly

38.4757, 0.2533, 0.2543

Deuteranomaly

38.6380, 0.2515, 0.2509

Tritanomaly

38.6634, 0.2553, 0.2874

Monochromacy



Original Color

38.7443, 0.2453, 0.2547

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5899, 0.2850, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7443, 0.2453, 0.2547 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(133, 169, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 169, 224)  
}
```

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(133, 169, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 169, 224) }
```

Border

The CSS property to change the border of an element to Yxy 38.7443, 0.2453, 0.2547 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(133, 169, 224) }
```

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

```
.border{ border-color:rgb(133, 169, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 169, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 169, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 169, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 169,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7443, 0.2453, 0.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 169, 224) }
```

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

```
.background{ background-color: rgb(133,  
169, 224) }
```

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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