

Converting Colors

$Y_{xy}(38.9113, 0.2558, 0.2953)$

Have a look what the booklet for
Yxy(38.9113, 0.2558, 0.2953)
contains.

Yxy(38.9481, 0.2556, 0.2955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.9481, 0.2556, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	7BAFC6
RGB	123, 175, 198
RGB Percent	48%, 69%, 78%
CMY	0.5177, 0.3137, 0.2235
CMYK	0.38, 0.12, 0.00, 0.22
HSL	198°, 40%, 63%
HSV	198°, 38%, 78%
XYZ	33.6891, 38.9481, 59.1668
YIQ	162.0740, -38.3750, -3.8710

Conversions

Conversions Part 2

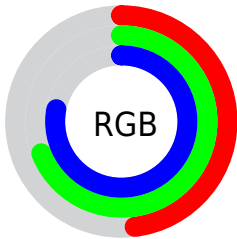
Format	Color
RYB	123, 154, 198
Decimal	8105926
CIELab	68.71, -11.29, -17.15
CIElCh	69, 20.533, 236.630
Yxy	38.9481, 0.2556, 0.2955
Android (android.graphics.Color)	4286296006 (0xFF7BAFC6)
YUV	162.0740, 17.7115, -34.2679
Hunter-Lab	62.4084, -12.8574, -12.5245

Details

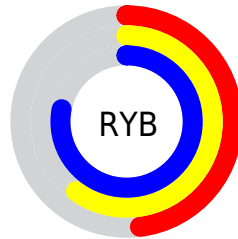
The Yxy color **38.9481, 0.2556, 0.2955** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.9856, 0.3932, 0.3598**, and the grayscale version is **36.0958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8368, 0.2661, 0.3023**, and **17.4816, 0.2396, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **35.3247, 0.2419, 0.2849**, and if you desaturate by 10%, it is **42.9760, 0.2702, 0.3054**.

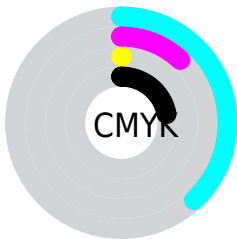
Distribution



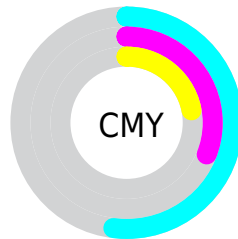
- Red (48%)
- Green (69%)
- Blue (78%)



- Red (48%)
- Yellow (60%)
- Blue (78%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (52%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9481, 0.2556, 0.2955 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 38.9481, 0.2556, 0.2955 by changing the saturation by 10% instead.

 38.9481, 0.2556,
0.2955


 38.9481, 0.2556,
0.2955


341.6698, 0.2844,
0.3131


 26.7194, 0.2484,
0.2909


 73.5590, 0.2661,
0.3021

 17.3626, 0.2391,
0.2848


 96.7100, 0.2700,
0.3045

 10.4933, 0.2268,
0.2764


 124.2705, 0.2734,
0.3065

 5.7273, 0.2097,
0.2644

156.6249, 0.2762,
0.3082

 2.6800, 0.1846,
0.2457

194.1577, 0.2787,
0.3097

 0.9670, 0.1421,
0.2143

237.2531, 0.2808,

 0.0000, 0.0000,

0.3110

0.0000

286.2957, 0.2827,
0.3121

■ 38.9481, 0.2556,
0.2955

■ 38.9481, 0.2556,
0.2955

■ 35.3247, 0.2419,
0.2849

■ 42.9760, 0.2702,
0.3054

■ 32.0819, 0.2293,
0.2738

■ 47.4217, 0.2853,
0.3146

■ 29.2000, 0.2184,
0.2624

■ 52.3031, 0.3007,
0.3230

■ 26.6551, 0.2093,
0.2508

■ 57.6358, 0.3159,
0.3305

■ 24.4194, 0.2022,
0.2391

■ 63.4344, 0.3309,
0.3373

■ 22.4525, 0.1969,
0.2277

■ 69.7129, 0.3454,
0.3434

■ 22.0576, 0.1959,
0.2253

■ 75.2144, 0.3544,
0.3490

■ 78.4100, 0.3531,
0.3551

■ 81.7220, 0.3518,
0.3610

Harmonies

Analogous

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



38.9481, 0.2608, 0.3203



38.9481, 0.2556, 0.2955



38.9481, 0.2647, 0.2812

Triad

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



38.9481, 0.2556, 0.2955



38.9481, 0.3460, 0.3090



38.9481, 0.3376, 0.3834

Complementary

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



38.9481, 0.2556, 0.2955



33.9856, 0.3932, 0.3598

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.



38.9481, 0.3620, 0.3771



38.9481, 0.2556, 0.2955



38.9481, 0.3674, 0.3337

Square

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



38.9481, 0.2556, 0.2955



38.9481, 0.3160, 0.2897



38.9481, 0.3733, 0.3584



38.9481, 0.3072, 0.3734

Rectangle

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



38.9481, 0.2556, 0.2955



38.9481, 0.2779, 0.2787



38.9481, 0.3733, 0.3584



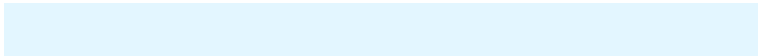
38.9481, 0.3468, 0.3830

Sweetspot

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



38.9496, 0.2556, 0.2955



89.6996, 0.2956, 0.3203



46.6568, 0.2929, 0.4079



18.9424, 0.2935, 0.3192



0.0000, 0.0000, 0.0000



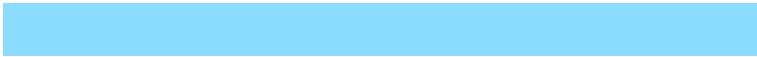
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9496, 0.2556, 0.2955



63.9142, 0.2448, 0.2873



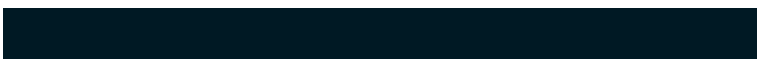
26.4601, 0.2473, 0.2384



11.4977, 0.2984, 0.3218



14.5019, 0.1963, 0.2268



0.8105, 0.2030, 0.2506

Inverse Universe

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



29.2630, 0.3416, 0.2623



45.2476, 0.3496, 0.2489



47.3005, 0.3754, 0.4055



10.7591, 0.3184, 0.3131



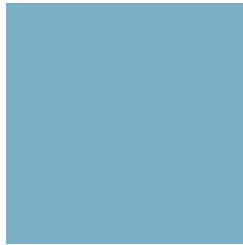
9.0040, 0.4160, 0.2065



0.4388, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 38.9481, 0.2556, 0.2955 looks on a white background.

Color Contrast Check

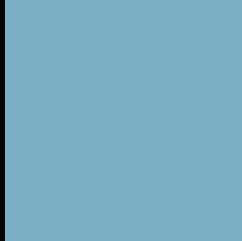
Large Text (above 18pt) WCAG AA × Fail

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 38.9481, 0.2556, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

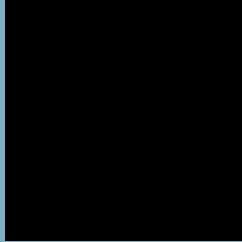
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9481, 0.2556, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 38.9481, 0.2556, 0.2955.



This preview shows how white text looks on a background with the Yxy color 38.9481, 0.2556, 0.2955.

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

38.9481, 0.2556, 0.2955

Protanopia

38.7596, 0.2879, 0.2933

Deuteranopia

38.5800, 0.2858, 0.2795



Tritanopia

38.8333, 0.2595, 0.3081

Trichromacy



Original Color

38.9481, 0.2556, 0.2955

Protanomaly

38.5669, 0.2753, 0.2938

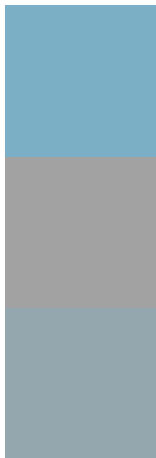
Deuteranomaly

38.3403, 0.2738, 0.2846

Tritanomaly

39.0385, 0.2583, 0.3039

Monochromacy



Original Color

38.9481, 0.2556, 0.2955

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.0285, 0.2893, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9481, 0.2556, 0.2955 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(123, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(123, 175, 198)  
}
```

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(123, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.9481, 0.2556, 0.2955 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(123, 175, 198) }
```

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

```
.border{ border-color:rgb(123, 175, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 175, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 175, 198);  
box-shadow:4px 4px 4px 4px rgb(123, 175,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9481, 0.2556, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 175, 198) }
```

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

```
.background{ background-color: rgb(123,  
175, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor