

Converting Colors

$Yxy(39.7249, 0.2597, 0.2816)$

Have a look what the booklet for
Yxy(39.7249, 0.2597, 0.2816)
contains.

Yxy(39.7954, 0.2597, 0.2817)	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(39.7954, 0.2597, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	8AADCF
RGB	138, 173, 207
RGB Percent	54%, 68%, 81%
CMY	0.4588, 0.3216, 0.1882
CMYK	0.33, 0.16, 0.00, 0.19
HSL	210°, 42%, 68%
HSV	210°, 33%, 81%
XYZ	36.6875, 39.7954, 64.7858
YIQ	166.4110, -31.7740, 3.1540

Conversions

Conversions Part 2

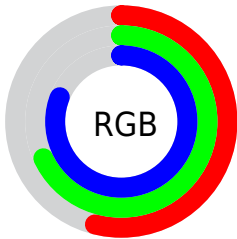
Format	Color
RYB	138, 161, 207
Decimal	9088463
CIELab	69.32, -3.72, -21.11
CIElCh	69, 21.433, 259.999
Yxy	39.7954, 0.2597, 0.2817
Android (android.graphics.Color)	4287278543 (0xFF8AADCF)
YUV	166.4110, 20.0104, -24.9164
Hunter-Lab	63.0836, -6.5862, -16.7314

Details

The Yxy color **39.7954, 0.2597, 0.2817** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6087, 0.3757, 0.3719**, and the grayscale version is **38.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0443, 0.2743, 0.2996**, and **17.9059, 0.2439, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **34.4323, 0.2436, 0.2646**, and if you desaturate by 10%, it is **45.7969, 0.2760, 0.2975**.

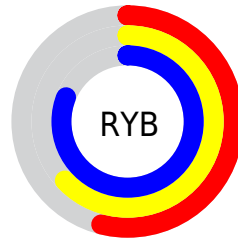
Distribution



Red (54%)

Green (68%)

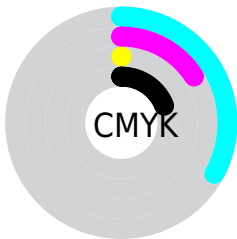
Blue (81%)



Red (54%)

Yellow (63%)

Blue (81%)

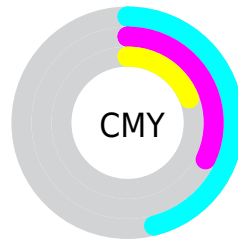


Cyan (33%)

Magenta (16%)

Yellow (0%)

Black (19%)



Cyan (46%)


Magenta (32%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7954, 0.2597, 0.2817 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 39.7954, 0.2597, 0.2817 by changing the saturation by 10% instead.


 39.7954, 0.2597,
0.2817


 39.7954, 0.2597,
0.2817


345.2605, 0.2864,
0.3058


 27.3791, 0.2530,
0.2756


 74.8519, 0.2694,
0.2906

 17.8581, 0.2444,
0.2677


 98.2608, 0.2731,
0.2939

 10.8482, 0.2331,
0.2571


 126.1026, 0.2762,
0.2966

 5.9648, 0.2173,
0.2422

158.7619, 0.2788,
0.2990

 2.8237, 0.1943,
0.2202

196.6229, 0.2811,
0.3011

 1.0404, 0.1583,
0.1848

240.0701, 0.2831,

 0.0000, 0.0000,

0.3029

0.0000

289.4878, 0.2849,
0.3044

■ 39.7954, 0.2597,
0.2817

■ 39.7954, 0.2597,
0.2817

■ 34.4323, 0.2436,
0.2646

■ 45.7969, 0.2760,
0.2975

■ 29.6770, 0.2281,
0.2463

■ 52.4561, 0.2921,
0.3120

■ 25.5032, 0.2137,
0.2274

■ 59.7972, 0.3077,
0.3250

■ 21.8801, 0.2009,
0.2081

■ 67.8417, 0.3226,
0.3366

■ 18.7730, 0.1903,
0.1890

■ 76.6101, 0.3367,
0.3468

■ 16.1412, 0.1820,
0.1706

■ 84.7297, 0.3448,
0.3563

■ 14.6095, 0.1775,
0.1589

■ 90.7132, 0.3430,
0.3661

■ 97.0367, 0.3412,
0.3757

■ 97.2856, 0.3412,
0.3760

Harmonies

Analogous

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



39.7954, 0.2535, 0.2991



39.7954, 0.2597, 0.2817



39.7954, 0.2795, 0.2771

Triad

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



39.7954, 0.2597, 0.2817



39.7954, 0.3658, 0.3279



39.7954, 0.3140, 0.3789

Complementary

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



39.7954, 0.2597, 0.2817



44.6087, 0.3757, 0.3719

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.



39.7954, 0.3448, 0.3854



39.7954, 0.2597, 0.2817



39.7954, 0.3757, 0.3540

Square

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



39.7954, 0.2597, 0.2817



39.7954, 0.3408, 0.3033



39.7954, 0.3678, 0.3754



39.7954, 0.2839, 0.3566

Rectangle

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



39.7954, 0.2597, 0.2817



39.7954, 0.2984, 0.2811



39.7954, 0.3678, 0.3754



39.7954, 0.3246, 0.3830

Sweetspot

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



39.7970, 0.2597, 0.2817



87.7236, 0.2971, 0.3163



52.9880, 0.2870, 0.3785



18.4267, 0.2949, 0.3144



0.0000, 0.0000, 0.0000



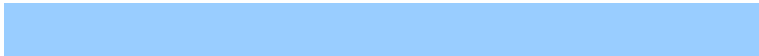
21.4041, 0.3127, 0.3290

Same Dimension

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



39.7970, 0.2597, 0.2817



57.5297, 0.2481, 0.2696



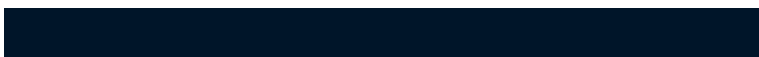
28.4163, 0.2535, 0.2323



12.3947, 0.2982, 0.3173



9.3934, 0.1782, 0.1613



0.6839, 0.1873, 0.1943

Inverse Universe

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



34.4602, 0.3508, 0.2853



48.4376, 0.3622, 0.2758



59.1778, 0.3630, 0.4103



11.9069, 0.3212, 0.3173



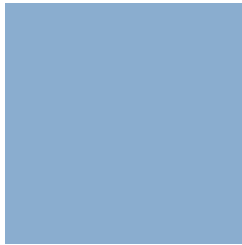
9.0195, 0.4914, 0.2481



0.5203, 0.4518, 0.2263

Previews

White Background



This preview shows how the Yxy color 39.7954, 0.2597, 0.2817 looks on a white background.

Color Contrast Check

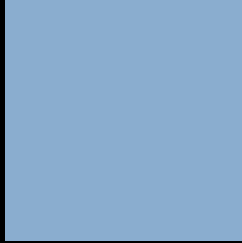
Large Text (above 18pt) WCAG AA × Fail

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 39.7954, 0.2597, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

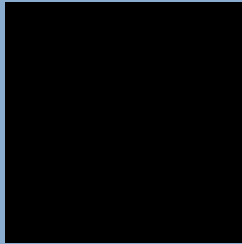
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

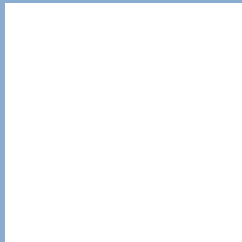
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7954, 0.2597, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 39.7954, 0.2597, 0.2817.



This preview shows how white text looks on a background with the Yxy color 39.7954, 0.2597, 0.2817.

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

39.7954, 0.2597, 0.2817

Protanopia

39.5263, 0.2789, 0.2806

Deuteranopia

39.5130, 0.2776, 0.2710



Tritanopia

39.8367, 0.2685, 0.3087

Trichromacy



Original Color

39.7954, 0.2597, 0.2817

Protanomaly

39.5079, 0.2721, 0.2813

Deuteranomaly

39.5279, 0.2708, 0.2751

Tritanomaly

39.7964, 0.2650, 0.2989

Monochromacy



Original Color

39.7954, 0.2597, 0.2817

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.7800, 0.2915, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7954, 0.2597, 0.2817 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(138, 173, 207)` looks like.

```
.text, #text, p{  
    color:rgb(138, 173, 207)  
}
```

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(138, 173, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 173, 207) }
```

Border

The CSS property to change the border of an element to Yxy 39.7954, 0.2597, 0.2817 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(138, 173, 207) }
```

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

```
.border{ border-color:rgb(138, 173, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 173, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 173, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 173, 207);  
box-shadow:4px 4px 4px 4px rgb(138, 173,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7954, 0.2597, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 173, 207) }
```

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

```
.background{ background-color: rgb(138,  
173, 207) }
```

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