

Converting Colors

$Y_{xy}(39.5912, 0.2652, 0.2590)$

Have a look what the booklet for
Yxy(39.5912, 0.2652, 0.2590)
contains.

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Color

Yxy(39.6560, 0.2653, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	9EA6DB
RGB	158, 166, 219
RGB Percent	62%, 65%, 86%
CMY	0.3807, 0.3489, 0.1412
CMYK	0.28, 0.24, 0.00, 0.14
HSL	232°, 46%, 74%
HSV	232°, 28%, 86%
XYZ	40.5111, 39.6560, 72.5322
YIQ	169.6500, -21.7810, 14.7870

Conversions

Conversions Part 2

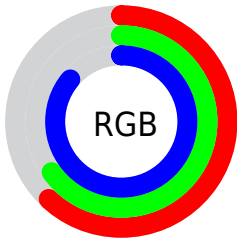
Format	Color
R _Y B	158, 165, 219
Decimal	10397403
CIE Lab	69.22, 8.94, -27.73
CIE LCh	69, 29.138, 287.866
Yxy	39.6560, 0.2653, 0.2597
Android (android.graphics.Color)	4288587483 (0xFF9EA6DB)
YUV	169.6500, 24.3295, -10.2171
Hunter-Lab	62.9730, 4.6279, -24.2090

Details

The Yxy color **39.6560, 0.2653, 0.2597** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.0617, 0.3569, 0.3899**, and the grayscale version is **39.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2290, 0.2867, 0.2931**, and **17.7182, 0.2512, 0.2400** is the 20% darker color. If you saturate the color by 10%, you get **31.2276, 0.2457, 0.2298**, and if you desaturate by 10%, it is **49.5032, 0.2837, 0.2871**.

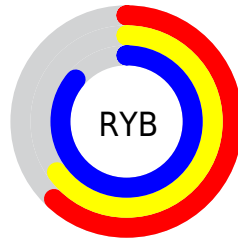
Distribution



Red (62%)

Green (65%)

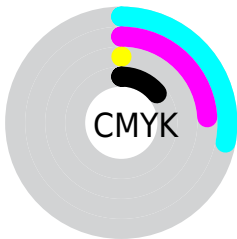
Blue (86%)



Red (62%)

Yellow (65%)

Blue (86%)

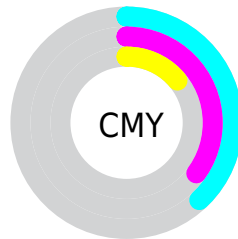


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6560, 0.2653, 0.2597 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 39.6560, 0.2653, 0.2597 by changing the saturation by 10% instead.

■ 39.6560, 0.2653,
0.2597

■ 39.6560, 0.2653,
0.2597

344.6715, 0.2895,
0.2940

■ 27.2704, 0.2592,
0.2513

■ 74.6394, 0.2741,
0.2720

■ 17.7764, 0.2514,
0.2408

■ 98.0060, 0.2774,
0.2767

■ 10.7896, 0.2410,
0.2270

125.8018, 0.2802,
0.2807

■ 5.9255, 0.2265,
0.2083

158.4111, 0.2826,
0.2841

■ 2.7999, 0.2054,
0.1820

196.2183, 0.2847,
0.2870

■ 1.0282, 0.1724,
0.1431

239.6079, 0.2865,

■ 0.0000, 0.0600,

0.2896

0.0000

288.9641, 0.2880,
0.2919

0.0000, 0.0000,
0.0000

39.6560, 0.2653,
0.2597

39.6560, 0.2653,
0.2597

31.2276, 0.2457,
0.2298

49.5032, 0.2837,
0.2871

24.1477, 0.2254,
0.1982

60.8257, 0.3006,
0.3117

18.3471, 0.2056,
0.1662

73.6828, 0.3158,
0.3333

13.7485, 0.1873,
0.1356

88.1289, 0.3293,
0.3522

10.2659, 0.1720,
0.1084

97.8942, 0.3340,
0.3641

■ 7.8017, 0.1606,
0.0867

■ 6.2351, 0.1537,
0.0716

■ 5.9950, 0.1526,
0.0692

Harmonies

Analogous

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



39.6560, 0.2406, 0.2662



39.6560, 0.2653, 0.2597



39.6560, 0.3039, 0.2694

Triad

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



39.6560, 0.2653, 0.2597



39.6560, 0.3986, 0.3589



39.6560, 0.2759, 0.3698

Complementary

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



39.6560, 0.2653, 0.2597



64.0617, 0.3569, 0.3899

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.



39.6560, 0.3167, 0.3997



39.6560, 0.2653, 0.2597



39.6560, 0.3888, 0.3892

Square

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



39.6560, 0.2653, 0.2597



39.6560, 0.3834, 0.3242



39.6560, 0.3582, 0.4058



39.6560, 0.2462, 0.3278

Rectangle

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



39.6560, 0.2653, 0.2597



39.6560, 0.3333, 0.2835



39.6560, 0.3582, 0.4058



39.6560, 0.2887, 0.3819

Sweetspot

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



39.6576, 0.2653, 0.2597



85.5595, 0.3003, 0.3113



62.6173, 0.2770, 0.3390



17.7660, 0.2979, 0.3077



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.



39.6576, 0.2653, 0.2597



49.3210, 0.2548, 0.2438



39.2845, 0.2824, 0.2527



12.8942, 0.2981, 0.3081



3.6453, 0.1530, 0.0707



0.3286, 0.1595, 0.0940

Inverse Universe

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



42.2420, 0.3653, 0.3194



53.7070, 0.3796, 0.3175



64.9427, 0.3373, 0.4025



13.0795, 0.3271, 0.3259



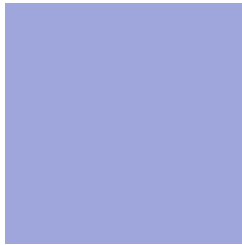
8.9918, 0.6221, 0.3201



0.5919, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 39.6560, 0.2653, 0.2597 looks on a white background.

Color Contrast Check

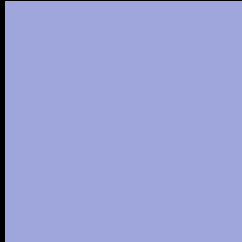
Large Text (above 18pt) WCAG AA × Fail

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 39.6560, 0.2653, 0.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

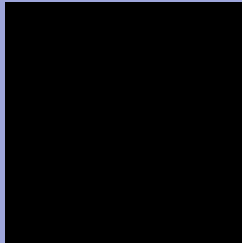
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6560, 0.2653, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 39.6560, 0.2653, 0.2597.



This preview shows how white text looks on a background with the Yxy color 39.6560, 0.2653, 0.2597.

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

39.6560, 0.2653, 0.2597

Protanopia

39.7733, 0.2626, 0.2595

Deuteranopia

39.6560, 0.2653, 0.2597



Tritanopia

39.6295, 0.2838, 0.3091

Trichromacy



Original Color

39.6560, 0.2653, 0.2597

Protanomaly

39.8727, 0.2633, 0.2596

Deuteranomaly

39.6560, 0.2653, 0.2597

Tritanomaly

39.6967, 0.2772, 0.2904

Monochromacy



Original Color

39.6560, 0.2653, 0.2597

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1138, 0.2946, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6560, 0.2653, 0.2597 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(158, 166, 219)` looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 219)  
}
```

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(158, 166, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 219) }
```

Border

The CSS property to change the border of an element to Yxy 39.6560, 0.2653, 0.2597 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(158, 166, 219) }
```

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

```
.border{ border-color:rgb(158, 166, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6560, 0.2653, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 219) }
```

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

```
.background{ background-color: rgb(158,  
166, 219) }
```

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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