

Converting Colors

$Y_{xy}(39.9265, 0.2608, 0.2731)$

Have a look what the booklet for
Yxy(39.9265, 0.2608, 0.2731)
contains.

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Color

Yxy(39.8990, 0.2611, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	91ABD4
RGB	145, 171, 212
RGB Percent	57%, 67%, 83%
CMY	0.4315, 0.3294, 0.1687
CMYK	0.32, 0.19, 0.00, 0.17
HSL	217°, 44%, 70%
HSV	217°, 32%, 83%
XYZ	38.1179, 39.8990, 67.9728
YIQ	167.9000, -28.6570, 7.2390

Conversions

Conversions Part 2

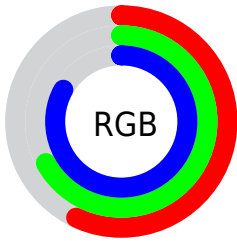
Format	Color
RYB	145, 164, 212
Decimal	9546708
CIELab	69.40, 0.63, -23.69
CIELCh	69, 23.703, 271.524
Yxy	39.8990, 0.2611, 0.2733
Android (android.graphics.Color)	4287736788 (0xFF91ABD4)
YUV	167.9000, 21.7413, -20.0833
Hunter-Lab	63.1657, -2.8223, -19.5863

Details

The Yxy color **39.8990, 0.2611, 0.2733** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.1337, 0.3690, 0.3789**, and the grayscale version is **39.0061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8921, 0.2783, 0.2977**, and **17.9033, 0.2462, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **33.4924, 0.2437, 0.2520**, and if you desaturate by 10%, it is **47.1482, 0.2782, 0.2929**.

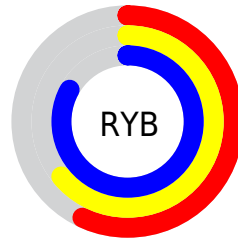
Distribution



Red (57%)

Green (67%)

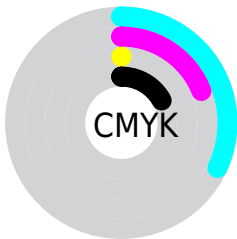
Blue (83%)



Red (57%)

Yellow (64%)

Blue (83%)

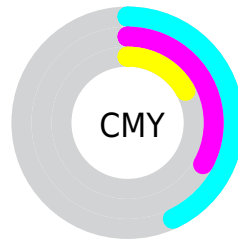


Cyan (32%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8990, 0.2611, 0.2733 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 39.8990, 0.2611, 0.2733 by changing the saturation by 10% instead.

■ 39.8990, 0.2611,
0.2733

■ 39.8990, 0.2611,
0.2733

■ 345.6977, 0.2872,
0.3014

■ 27.4598, 0.2546,
0.2663

■ 75.0097, 0.2706,
0.2835

■ 17.9189, 0.2462,
0.2573

■ 98.4500, 0.2742,
0.2873

■ 10.8917, 0.2351,
0.2454

■ 126.3261, 0.2772,
0.2906

■ 5.9941, 0.2198,
0.2290

■ 159.0224, 0.2797,
0.2934

■ 2.8415, 0.1974,
0.2051

■ 196.9233, 0.2820,
0.2958

■ 1.0495, 0.1625,
0.1680

■ 240.4132, 0.2839,

■ 0.0000, 0.0000,

0.2979

0.0000

289.8766, 0.2856,
0.2997

■ 39.8990, 0.2611,
0.2733

■ 39.8990, 0.2611,
0.2733

■ 33.4924, 0.2437,
0.2520

■ 47.1482, 0.2782,
0.2929

■ 27.8898, 0.2266,
0.2292

■ 55.2670, 0.2947,
0.3107

■ 23.0566, 0.2103,
0.2056

■ 64.2868, 0.3103,
0.3266

■ 18.9530, 0.1955,
0.1819

■ 74.2359, 0.3249,
0.3407

■ 15.5348, 0.1830,
0.1589

■ 85.1415, 0.3384,
0.3531

■ 12.7516, 0.1733,
0.1375

■ 93.6278, 0.3391,
0.3653

■ 10.8452, 0.1671,
0.1214

■ 97.5330, 0.3382,
0.3711

Harmonies

Analogous

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



39.8990, 0.2484, 0.2869



39.8990, 0.2611, 0.2733



39.8990, 0.2875, 0.2739

Triad

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



39.8990, 0.2611, 0.2733



39.8990, 0.3779, 0.3387



39.8990, 0.3006, 0.3767

Complementary

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



39.8990, 0.2611, 0.2733



51.1337, 0.3690, 0.3789

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.



39.8990, 0.3354, 0.3911



39.8990, 0.2611, 0.2733



39.8990, 0.3813, 0.3663

Square

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



39.8990, 0.2611, 0.2733



39.8990, 0.3558, 0.3105



39.8990, 0.3653, 0.3863



39.8990, 0.2702, 0.3471

Rectangle

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



39.8990, 0.2611, 0.2733



39.8990, 0.3102, 0.2816



39.8990, 0.3653, 0.3863



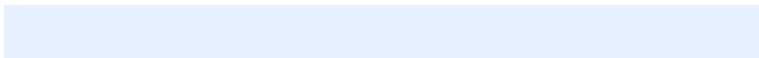
39.8990, 0.3122, 0.3836

Sweetspot

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



39.9006, 0.2611, 0.2733



87.2761, 0.2987, 0.3149



56.6096, 0.2834, 0.3647



18.2635, 0.2964, 0.3125



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.



39.9006, 0.2611, 0.2733



53.8691, 0.2493, 0.2590



31.6374, 0.2622, 0.2377



12.7922, 0.2982, 0.3144



6.8771, 0.1678, 0.1240



0.5731, 0.1774, 0.1588

Inverse Universe

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



37.1773, 0.3565, 0.2970



49.7223, 0.3698, 0.2900



62.1459, 0.3547, 0.4089



12.4999, 0.3231, 0.3200



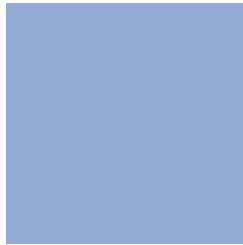
9.0391, 0.5410, 0.2754



0.5612, 0.4947, 0.2499

Previews

White Background



This preview shows how the Yxy color 39.8990, 0.2611, 0.2733 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 39.8990, 0.2611, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

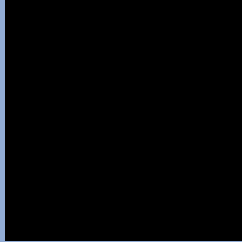
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

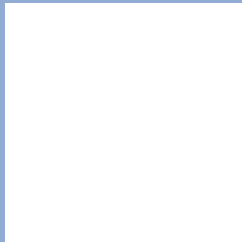
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8990, 0.2611, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 39.8990, 0.2611, 0.2733.



This preview shows how white text looks on a background with the Yxy color 39.8990, 0.2611, 0.2733.

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

39.8990, 0.2611, 0.2733

Protanopia

39.6118, 0.2731, 0.2730

Deuteranopia

39.8631, 0.2733, 0.2673



Tritanopia

39.9095, 0.2734, 0.3088

Trichromacy



Original Color

39.8990, 0.2611, 0.2733

Protanomaly

39.5284, 0.2686, 0.2725

Deuteranomaly

39.8773, 0.2681, 0.2692

Tritanomaly

40.0541, 0.2693, 0.2966

Monochromacy



Original Color

39.8990, 0.2611, 0.2733

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.3102, 0.2926, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8990, 0.2611, 0.2733 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(145, 171, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 171, 212)  
}
```

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(145, 171, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 171, 212) }
```

Border

The CSS property to change the border of an element to Yxy 39.8990, 0.2611, 0.2733 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(145, 171, 212) }
```

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

```
.border{ border-color:rgb(145, 171, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 171, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 171, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 171, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 171,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8990, 0.2611, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 171, 212) }
```

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

```
.background{ background-color: rgb(145,  
171, 212) }
```

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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