

Converting Colors

$Y_{xy}(36.0872, 0.2613, 0.2886)$

Have a look what the booklet for
Yxy(36.0872, 0.2613, 0.2886)
contains.

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Color

Yxy(35.9133, 0.2612, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	82A6C2
RGB	130, 166, 194
RGB Percent	51%, 65%, 76%
CMY	0.4900, 0.3490, 0.2393
CMYK	0.33, 0.14, 0.00, 0.24
HSL	206°, 34%, 64%
HSV	206°, 33%, 76%
XYZ	32.5827, 35.9133, 56.2463
YIQ	158.4280, -30.4440, 1.0760

Conversions

Conversions Part 2

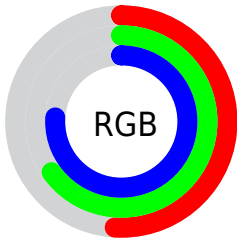
Format	Color
RYB	130, 153, 194
Decimal	8562370
CIELab	66.45, -5.47, -18.31
CIELCh	66, 19.113, 253.371
Yxy	35.9133, 0.2612, 0.2879
Android (android.graphics.Color)	4286752450 (0xFF82A6C2)
YUV	158.4280, 17.5370, -24.9314
Hunter-Lab	59.9277, -7.8231, -13.6984

Details

The Yxy color **35.9133, 0.2612, 0.2879** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.5446, 0.3761, 0.3666**, and the grayscale version is **34.3292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8683, 0.2704, 0.2954**, and **15.5478, 0.2458, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **31.5362, 0.2457, 0.2729**, and if you desaturate by 10%, it is **40.7863, 0.2770, 0.3018**.

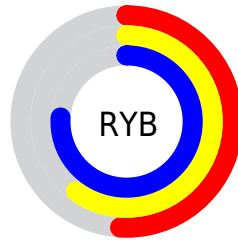
Distribution



Red (51%)

Green (65%)

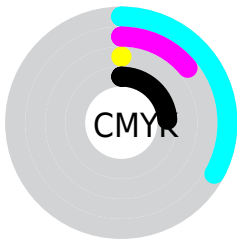
Blue (76%)



Red (51%)

Yellow (60%)

Blue (76%)

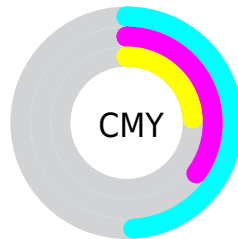


Cyan (33%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (49%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9133, 0.2612, 0.2879 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 35.9133, 0.2612, 0.2879 by changing the saturation by 10% instead.

■ 35.9133, 0.2612,
0.2879

■ 35.9133, 0.2612,
0.2879

■ 328.5814, 0.2876,
0.3094

■ 24.3672, 0.2544,
0.2823

■ 68.8982, 0.2709,
0.2959

■ 15.6063, 0.2457,
0.2749

■ 91.1059, 0.2745,
0.2989

■ 9.2460, 0.2339,
0.2648

■ 117.6362, 0.2776,
0.3013

■ 4.9020, 0.2172,
0.2503

■ 148.8736, 0.2802,
0.3034

■ 2.1899, 0.1921,
0.2278

■ 185.2024, 0.2824,
0.3052

■ 0.7145, 0.1442,
0.1888

■ 227.0070, 0.2844,

■ 0.0000, 0.0000,

0.3068

0.0000

274.6719, 0.2861,
0.3082

■ 35.9133, 0.2612,
0.2879

■ 35.9133, 0.2612,
0.2879

■ 31.5362, 0.2457,
0.2729

■ 40.7863, 0.2770,
0.3018

■ 27.6305, 0.2309,
0.2570

■ 46.1698, 0.2928,
0.3144

■ 24.1757, 0.2173,
0.2404

■ 52.0828, 0.3082,
0.3258

■ 21.1477, 0.2053,
0.2234

■ 58.5421, 0.3231,
0.3361

■ 18.5192, 0.1952,
0.2064

■ 65.5635, 0.3374,
0.3451

■ 16.2580, 0.1874,
0.1899

■ 73.1621, 0.3509,
0.3531

■ 14.8484, 0.1829,
0.1786

■ 79.2403, 0.3555,
0.3610

■ 83.9579, 0.3536,
0.3693

■ 88.9072, 0.3517,
0.3774

Harmonies

Analogous

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



35.9133, 0.2585, 0.3065



35.9133, 0.2612, 0.2879



35.9133, 0.2770, 0.2808

Triad

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



35.9133, 0.2612, 0.2879



35.9133, 0.3575, 0.3228



35.9133, 0.3205, 0.3775

Complementary

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



35.9133, 0.2612, 0.2879



37.5446, 0.3761, 0.3666

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.



35.9133, 0.3480, 0.3802



35.9133, 0.2612, 0.2879



35.9133, 0.3702, 0.3472

Square

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



35.9133, 0.2612, 0.2879



35.9133, 0.3324, 0.3008



35.9133, 0.3665, 0.3683



35.9133, 0.2918, 0.3599

Rectangle

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



35.9133, 0.2612, 0.2879



35.9133, 0.2934, 0.2828



35.9133, 0.3665, 0.3683



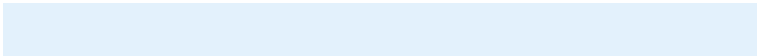
35.9133, 0.3302, 0.3802

Sweetspot

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



35.9147, 0.2612, 0.2879



86.5687, 0.2972, 0.3178



45.7874, 0.2895, 0.3826



18.6302, 0.2949, 0.3161



0.0000, 0.0000, 0.0000



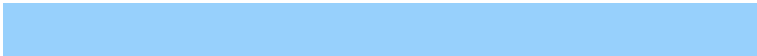
21.4041, 0.3127, 0.3290

Same Dimension

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



35.9147, 0.2612, 0.2879



58.9149, 0.2493, 0.2765



25.7772, 0.2551, 0.2390



10.6665, 0.2984, 0.3187



9.9293, 0.1835, 0.1807



0.5643, 0.1936, 0.2170

Inverse Universe

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



30.1964, 0.3460, 0.2815



47.6307, 0.3568, 0.2703



49.7886, 0.3634, 0.4054



10.1706, 0.3203, 0.3161



8.2846, 0.4677, 0.2350



0.3716, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 35.9133, 0.2612, 0.2879 looks on a white background.

Color Contrast Check

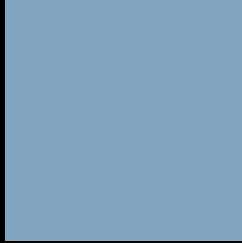
Large Text (above 18pt) WCAG AA × Fail

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 35.9133, 0.2612, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

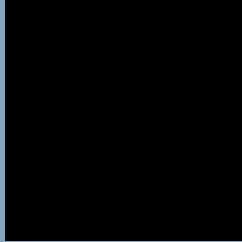
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

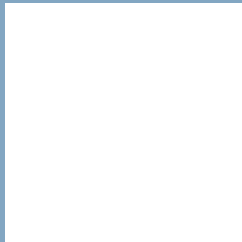
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9133, 0.2612, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 35.9133, 0.2612, 0.2879.



This preview shows how white text looks on a background with the Yxy color 35.9133, 0.2612, 0.2879.

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

35.9133, 0.2612, 0.2879

Protanopia

35.8279, 0.2831, 0.2867

Deuteranopia

35.9128, 0.2826, 0.2766



Tritanopia

35.8947, 0.2675, 0.3078

Trichromacy



Original Color

35.9133, 0.2612, 0.2879

Protanomaly

35.7132, 0.2750, 0.2874

Deuteranomaly

35.8194, 0.2744, 0.2809

Tritanomaly

35.7718, 0.2653, 0.3005

Monochromacy



Original Color

35.9133, 0.2612, 0.2879

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.7259, 0.2922, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9133, 0.2612, 0.2879 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(130, 166, 194)` looks like.

```
.text, #text, p{  
    color:rgb(130, 166, 194)  
}
```

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(130, 166, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 166, 194) }
```

Border

The CSS property to change the border of an element to Yxy 35.9133, 0.2612, 0.2879 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(130, 166, 194) }
```

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

```
.border{ border-color:rgb(130, 166, 194) }
```

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

Here you see how a box with a 4 pixel rgb(130, 166, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 166, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 166, 194);  
box-shadow:4px 4px 4px 4px rgb(130, 166,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9133, 0.2612, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 166, 194) }
```

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

```
.background{ background-color: rgb(130,  
166, 194) }
```

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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