

Converting Colors

$Y_{xy}(35.2719, 0.2615, 0.2808)$

Have a look what the booklet for
Yxy(35.2719, 0.2615, 0.2808)
contains.

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Color

Yxy(35.1665, 0.2615, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	85A3C4
RGB	133, 163, 196
RGB Percent	52%, 64%, 77%
CMY	0.4783, 0.3608, 0.2314
CMYK	0.32, 0.17, 0.00, 0.23
HSL	211°, 35%, 65%
HSV	211°, 32%, 77%
XYZ	32.7378, 35.1665, 57.2880
YIQ	157.7920, -28.4730, 3.9030

Conversions

Conversions Part 2

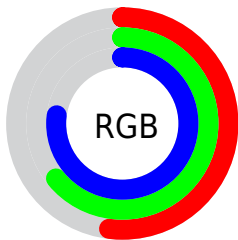
Format	Color
RYB	133, 153, 196
Decimal	8758212
CIELab	65.88, -2.43, -20.29
CIElCh	66, 20.436, 263.158
Yxy	35.1665, 0.2615, 0.2809
Android (android.graphics.Color)	4286948292 (0xFF85A3C4)
YUV	157.7920, 18.8365, -21.7426
Hunter-Lab	59.3013, -5.2350, -15.7661

Details

The Yxy color **35.1665, 0.2615, 0.2809** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.7181, 0.3719, 0.3726**, and the grayscale version is **34.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9260, 0.2714, 0.2901**, and **15.0712, 0.2458, 0.2654** is the 20% darker color. If you saturate the color by 10%, you get **30.2167, 0.2451, 0.2628**, and if you desaturate by 10%, it is **40.7132, 0.2779, 0.2976**.

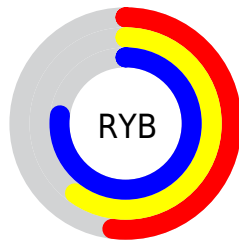
Distribution



Red (52%)

Green (64%)

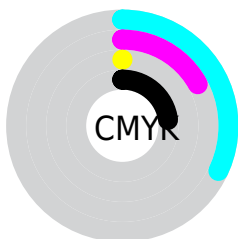
Blue (77%)



Red (52%)

Yellow (60%)

Blue (77%)

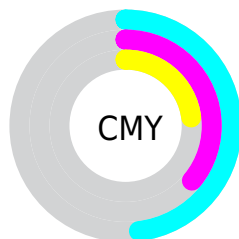


Cyan (32%)

Magenta (17%)

Yellow (0%)

Black (23%)



Cyan (48%)


Magenta (36%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1665, 0.2615, 0.2809 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 35.1665, 0.2615, 0.2809 by changing the saturation by 10% instead.

 35.1665, 0.2615,
0.2809


 35.1665, 0.2615,
0.2809


325.3026, 0.2879,
0.3059


 23.7912, 0.2547,
0.2744


 67.7436, 0.2712,
0.2902

 15.1788, 0.2459,
0.2659


 89.7142, 0.2749,
0.2936

 8.9450, 0.2340,
0.2544


 115.9853, 0.2779,
0.2965

 4.7053, 0.2172,
0.2380

146.9413, 0.2805,
0.2989

 2.0754, 0.1918,
0.2130

182.9667, 0.2827,
0.3010

 0.6507, 0.1446,
0.1683

224.4458, 0.2847,

 0.0000, 0.0000,

0.3028

0.0000

271.7630, 0.2864,
0.3045

■ 35.1665, 0.2615,
0.2809

■ 35.1665, 0.2615,
0.2809

■ 30.2167, 0.2451,
0.2628

■ 40.7132, 0.2779,
0.2976

■ 25.8360, 0.2291,
0.2436

■ 46.8748, 0.2940,
0.3127

■ 22.0003, 0.2141,
0.2235

■ 53.6734, 0.3095,
0.3263

■ 18.6818, 0.2007,
0.2030

■ 61.1287, 0.3242,
0.3384

■ 15.8493, 0.1893,
0.1828

■ 69.2595, 0.3381,
0.3491

■ 13.4665, 0.1804,
0.1635

■ 78.0838, 0.3510,
0.3585

■ 11.8602, 0.1748,
0.1491

■ 84.6137, 0.3520,
0.3682

■ 90.6650, 0.3498,
0.3780

■ 96.7657, 0.3478,
0.3870

Harmonies

Analogous

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



35.1665, 0.2538, 0.2969



35.1665, 0.2615, 0.2809



35.1665, 0.2824, 0.2777

Triad

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



35.1665, 0.2615, 0.2809



35.1665, 0.3673, 0.3307



35.1665, 0.3107, 0.3769

Complementary

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



35.1665, 0.2615, 0.2809



40.7181, 0.3719, 0.3726

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.



35.1665, 0.3416, 0.3852



35.1665, 0.2615, 0.2809



35.1665, 0.3753, 0.3564

Square

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



35.1665, 0.2615, 0.2809



35.1665, 0.3437, 0.3058



35.1665, 0.3656, 0.3768



35.1665, 0.2813, 0.3535

Rectangle

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



35.1665, 0.2615, 0.2809



35.1665, 0.3017, 0.2825



35.1665, 0.3656, 0.3768



35.1665, 0.3212, 0.3815

Sweetspot

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



35.1679, 0.2615, 0.2809



87.2465, 0.2971, 0.3155



47.2078, 0.2866, 0.3731



18.3114, 0.2949, 0.3135



0.0000, 0.0000, 0.0000



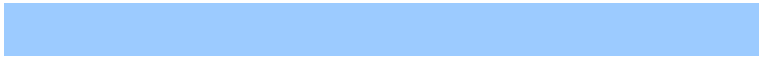
21.4041, 0.3127, 0.3290

Same Dimension

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



35.1679, 0.2615, 0.2809



56.8935, 0.2492, 0.2675



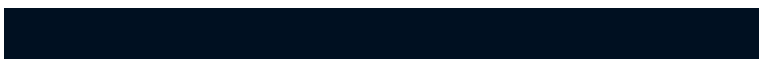
25.8454, 0.2569, 0.2354



10.5208, 0.2984, 0.3166



7.7905, 0.1755, 0.1516



0.4745, 0.1871, 0.1937

Inverse Universe

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



31.1649, 0.3510, 0.2896



49.1918, 0.3635, 0.2802



52.7714, 0.3597, 0.4085



10.1559, 0.3216, 0.3181



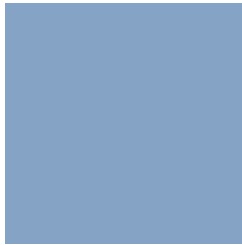
8.0687, 0.5039, 0.2549



0.3625, 0.4525, 0.2267

Previews

White Background



This preview shows how the Yxy color 35.1665, 0.2615, 0.2809 looks on a white background.

Color Contrast Check

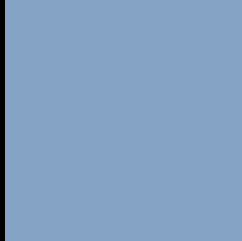
Large Text (above 18pt) WCAG AA × Fail

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 35.1665, 0.2615, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

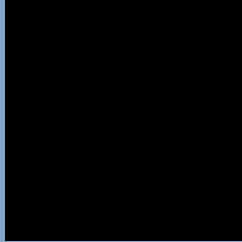
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

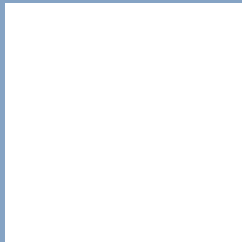
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1665, 0.2615, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 35.1665, 0.2615, 0.2809.



This preview shows how white text looks on a background with the Yxy color 35.1665, 0.2615, 0.2809.

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

35.1665, 0.2615, 0.2809

Protanopia

34.9794, 0.2781, 0.2795

Deuteranopia

34.8761, 0.2782, 0.2720



Tritanopia

35.1942, 0.2708, 0.3092

Trichromacy



Original Color

35.1665, 0.2615, 0.2809

Protanomaly

35.0564, 0.2718, 0.2803

Deuteranomaly

35.1234, 0.2719, 0.2753

Tritanomaly

35.1589, 0.2671, 0.2990

Monochromacy



Original Color

35.1665, 0.2615, 0.2809

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5097, 0.2922, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1665, 0.2615, 0.2809 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(133, 163, 196)` looks like.

```
.text, #text, p{  
    color:rgb(133, 163, 196)  
}
```

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(133, 163, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 163, 196) }
```

Border

The CSS property to change the border of an element to Yxy 35.1665, 0.2615, 0.2809 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(133, 163, 196) }
```

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

```
.border{ border-color:rgb(133, 163, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 163, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 163, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 163, 196);  
box-shadow:4px 4px 4px 4px rgb(133, 163,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1665, 0.2615, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 163, 196) }
```

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

```
.background{ background-color: rgb(133,  
163, 196) }
```

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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