

Converting Colors

$Y_{xy}(35.8563, 0.2625, 0.2800)$

Have a look what the booklet for
Yxy(35.8563, 0.2625, 0.2800)
contains.

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Color

Yxy(35.8624, 0.2625, 0.2800)

Conversions

Conversions Part 1	
Format	Color
Hex	88A4C6
RGB	136, 164, 198
RGB Percent	53%, 64%, 78%
CMY	0.4668, 0.3568, 0.2234
CMYK	0.31, 0.17, 0.00, 0.22
HSL	213°, 35%, 65%
HSV	213°, 31%, 78%
XYZ	33.6210, 35.8624, 58.5966
YIQ	159.5040, -27.6020, 4.6380

Conversions

Conversions Part 2

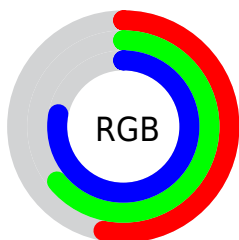
Format	Color
RYB	136, 155, 198
Decimal	8955078
CIELab	66.41, -1.62, -20.59
CIELCh	66, 20.650, 265.491
Yxy	35.8624, 0.2625, 0.2800
Android (android.graphics.Color)	4287145158 (0xFF88A4C6)
YUV	159.5040, 18.9785, -20.6130
Hunter-Lab	59.8852, -4.5850, -16.0945

Details

The Yxy color $35.8624, 0.2625, 0.2800$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $42.5359, 0.3697, 0.3734$, and the grayscale version is $34.8335, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.9594, 0.2722, 0.2893$, and $15.4868, 0.2472, 0.2644$ is the 20% darker color. If you saturate the color by 10%, you get $30.6345, 0.2458, 0.2611$, and if you desaturate by 10%, it is $41.7313, 0.2791, 0.2974$.

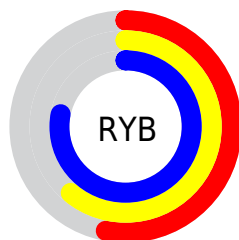
Distribution



Red (53%)

Green (64%)

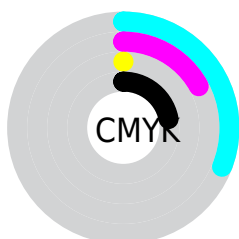
Blue (78%)



Red (53%)

Yellow (61%)

Blue (78%)

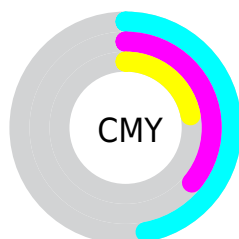


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (22%)



Cyan (47%)


Magenta (36%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8624, 0.2625, 0.2800 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 35.8624, 0.2625, 0.2800 by changing the saturation by 10% instead.


 35.8624, 0.2625,
0.2800


 35.8624, 0.2625,
0.2800


328.3587, 0.2883,
0.3053

 24.3279, 0.2559,
0.2735


 68.8196, 0.2720,
0.2894

 15.5771, 0.2473,
0.2650


 91.0112, 0.2755,
0.2928

 9.2254, 0.2357,
0.2535


 117.5239, 0.2785,
0.2957

 4.8885, 0.2194,
0.2371

148.7422, 0.2810,
0.2982

 2.1820, 0.1950,
0.2124

185.0504, 0.2832,
0.3004

 0.7101, 0.1522,
0.1701


226.8330, 0.2851,

 0.0000, 0.0000,

0.3022


0.0000


274.4743, 0.2868,
0.3039


 35.8624, 0.2625,
0.2800

 35.8624, 0.2625,
0.2800


 30.6345, 0.2458,
0.2611


 41.7313, 0.2791,
0.2974

 26.0182, 0.2295,
0.2410

 48.2604, 0.2952,
0.3131

 21.9877, 0.2141,
0.2200

 55.4734, 0.3107,
0.3272

 18.5135, 0.2002,
0.1986

 63.3914, 0.3253,
0.3398

 15.5625, 0.1883,
0.1776

 72.0346, 0.3390,
0.3508

■ 13.0967, 0.1789,
0.1575

■ 81.4220, 0.3517,
0.3606

■ 11.3002, 0.1726,
0.1412

■ 87.6648, 0.3496,
0.3710

■ 94.2504, 0.3474,
0.3812

■ 96.8588, 0.3466,
0.3850

Harmonies

Analogous

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



35.8624, 0.2537, 0.2951



35.8624, 0.2625, 0.2800



35.8624, 0.2844, 0.2778

Triad

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



35.8624, 0.2625, 0.2800



35.8624, 0.3687, 0.3328



35.8624, 0.3082, 0.3757

Complementary

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



35.8624, 0.2625, 0.2800



42.5359, 0.3697, 0.3734

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.



35.8624, 0.3395, 0.3854



35.8624, 0.2625, 0.2800



35.8624, 0.3754, 0.3584

Square

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



35.8624, 0.2625, 0.2800



35.8624, 0.3461, 0.3075



35.8624, 0.3644, 0.3782



35.8624, 0.2792, 0.3513

Rectangle

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



35.8624, 0.2625, 0.2800



35.8624, 0.3041, 0.2833



35.8624, 0.3644, 0.3782



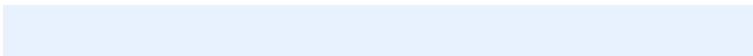
35.8624, 0.3188, 0.3808

Sweetspot

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



35.8638, 0.2625, 0.2800



88.1371, 0.2987, 0.3164



48.5030, 0.2865, 0.3703



18.4751, 0.2964, 0.3142



0.0000, 0.0000, 0.0000



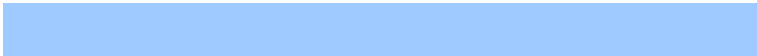
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8638, 0.2625, 0.2800



56.6807, 0.2504, 0.2665



27.0852, 0.2593, 0.2382



11.0634, 0.2983, 0.3160



7.5121, 0.1733, 0.1437



0.4999, 0.1845, 0.1840

Inverse Universe

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



32.2909, 0.3514, 0.2925



50.0061, 0.3639, 0.2838



53.9120, 0.3577, 0.4069



10.7153, 0.3220, 0.3186



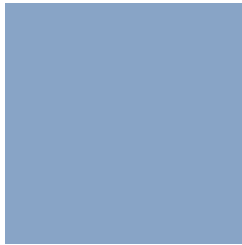
8.2983, 0.5142, 0.2606



0.4075, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 35.8624, 0.2625, 0.2800 looks on a white background.

Color Contrast Check

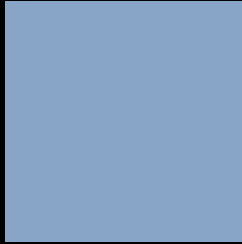
Large Text (above 18pt) WCAG AA × Fail

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 35.8624, 0.2625, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

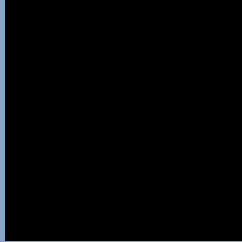
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

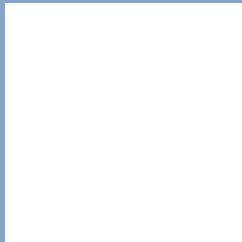
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8624, 0.2625, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 35.8624, 0.2625, 0.2800.

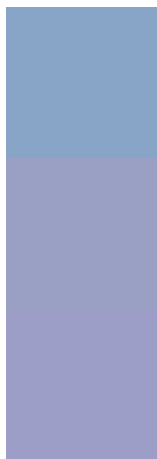


This preview shows how white text looks on a background with the Yxy color 35.8624, 0.2625, 0.2800.

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

35.8624, 0.2625, 0.2800

Protanopia

35.8540, 0.2776, 0.2799

Deuteranopia

35.7453, 0.2778, 0.2725



Tritanopia

35.8383, 0.2725, 0.3094

Trichromacy



Original Color
35.8624, 0.2625, 0.2800

Protanomaly
35.6783, 0.2721, 0.2794

Deuteranomaly
35.6547, 0.2714, 0.2743

Tritanomaly
35.8468, 0.2682, 0.2978

Monochromacy



Original Color
35.8624, 0.2625, 0.2800

Achromatopsia
35.1533, 0.3127, 0.3290

Achromatomaly
35.1250, 0.2924, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8624, 0.2625, 0.2800 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(136, 164, 198)` looks like.

```
.text, #text, p{  
    color:rgb(136, 164, 198)  
}
```

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(136, 164, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 164, 198) }
```

Border

The CSS property to change the border of an element to Yxy 35.8624, 0.2625, 0.2800 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(136, 164, 198) }
```

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

```
.border{ border-color:rgb(136, 164, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 164, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 164, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 164, 198);  
box-shadow:4px 4px 4px 4px rgb(136, 164,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8624, 0.2625, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 164, 198) }
```

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

```
.background{ background-color: rgb(136,  
164, 198) }
```

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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