

Converting Colors

$Yxy(35.3933, 0.2467, 0.2579)$

Have a look what the booklet for
Yxy(35.3933, 0.2467, 0.2579)
contains.

Yxy(35.5877, 0.2471, 0.2586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5877, 0.2471, 0.2586)

Conversions

Conversions Part 1

Format	Color
Hex	80A3D5
RGB	128, 163, 213
RGB Percent	50%, 64%, 84%
CMY	0.4982, 0.3607, 0.1647
CMYK	0.40, 0.23, 0.00, 0.16
HSL	215°, 50%, 67%
HSV	215°, 40%, 84%
XYZ	34.0051, 35.5877, 68.0240
YIQ	158.2350, -36.9100, 8.1300

Conversions

Conversions Part 2

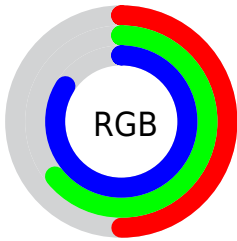
Format	Color
RYB	128, 153, 213
Decimal	8430549
CIELab	66.20, 0.63, -29.24
CIElCh	66, 29.250, 271.230
Yxy	35.5877, 0.2471, 0.2586
Android (android.graphics.Color)	4286620629 (0xFF80A3D5)
YUV	158.2350, 26.9991, -26.5161
Hunter-Lab	59.6554, -2.6475, -25.8485

Details

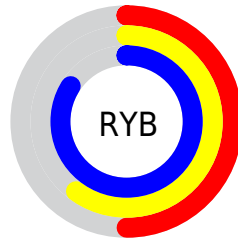
The Yxy color **35.5877, 0.2471, 0.2586** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.5254, 0.3877, 0.3900**, and the grayscale version is **34.1900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4301, 0.2673, 0.2877**, and **15.5128, 0.2280, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **29.8786, 0.2302, 0.2370**, and if you desaturate by 10%, it is **42.0864, 0.2643, 0.2788**.

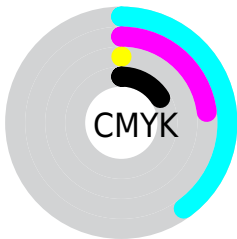
Distribution



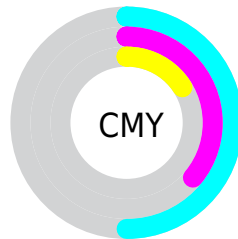
- Red (50%)
- Green (64%)
- Blue (84%)



- Red (50%)
- Yellow (60%)
- Blue (84%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5877, 0.2471, 0.2586 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 35.5877, 0.2471, 0.2586 by changing the saturation by 10% instead.

■ 35.5877, 0.2471,
0.2586

■ 35.5877, 0.2471,
0.2586

■ 327.1549, 0.2806,
0.2944

■ 24.1159, 0.2387,
0.2496

■ 68.3952, 0.2594,
0.2717

■ 15.4196, 0.2278,
0.2380

■ 90.4998, 0.2639,
0.2766

■ 9.1144, 0.2134,
0.2227

■ 116.9173, 0.2678,
0.2807

■ 4.8159, 0.1936,
0.2016

■ 148.0324, 0.2711,
0.2843

■ 2.1397, 0.1650,
0.1713

■ 184.2293, 0.2740,
0.2873

■ 0.6868, 0.1205,
0.1238

■ 225.8924, 0.2764,

■ 0.0000, 0.0000,

0.2900

0.0000

273.4061, 0.2786,
0.2924

■ 35.5877, 0.2471,
0.2586

■ 35.5877, 0.2471,
0.2586

■ 29.8786, 0.2302,
0.2370

■ 42.0864, 0.2643,
0.2788

■ 24.9205, 0.2140,
0.2144

■ 49.4028, 0.2811,
0.2974

■ 20.6770, 0.1992,
0.1915

■ 57.5686, 0.2974,
0.3141

■ 17.1063, 0.1866,
0.1689

■ 66.6121, 0.3128,
0.3291

■ 14.1607, 0.1765,
0.1477

■ 76.5605, 0.3273,
0.3424

■ 11.7653, 0.1690,
0.1284

■ 87.2940, 0.3402,
0.3541

■ 11.7476, 0.1690,
0.1282

■ 94.8462, 0.3382,
0.3660

■ 97.5839, 0.3376,
0.3701

Harmonies

Analogous

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



35.5877, 0.2315, 0.2751



35.5877, 0.2471, 0.2586



35.5877, 0.2799, 0.2597

Triad

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



35.5877, 0.2471, 0.2586



35.5877, 0.3965, 0.3399



35.5877, 0.2970, 0.3915

Complementary

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



35.5877, 0.2471, 0.2586



47.5254, 0.3877, 0.3900

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.



35.5877, 0.3414, 0.4096



35.5877, 0.2471, 0.2586



35.5877, 0.4006, 0.3750

Square

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



35.5877, 0.2471, 0.2586



35.5877, 0.3676, 0.3049



35.5877, 0.3797, 0.4016



35.5877, 0.2587, 0.3524

Rectangle

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



35.5877, 0.2471, 0.2586



35.5877, 0.3086, 0.2693



35.5877, 0.3797, 0.4016



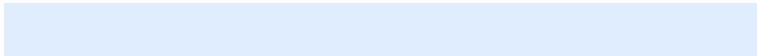
35.5877, 0.3117, 0.4004

Sweetspot

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



35.5891, 0.2471, 0.2586



83.7062, 0.2939, 0.3106



55.3700, 0.2777, 0.3780



17.5621, 0.2918, 0.3084



0.0000, 0.0000, 0.0000



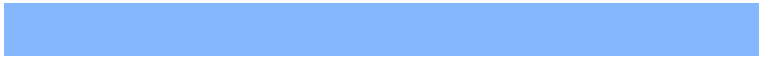
21.4041, 0.3127, 0.3290

Same Dimension

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



35.5891, 0.2471, 0.2586



46.0596, 0.2325, 0.2401



25.3896, 0.2449, 0.2091



12.8410, 0.2982, 0.3149



7.3667, 0.1697, 0.1309



0.6053, 0.1792, 0.1652

Inverse Universe

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



32.2205, 0.3707, 0.2860



41.3465, 0.3895, 0.2771



62.2528, 0.3663, 0.4293



12.5048, 0.3227, 0.3194



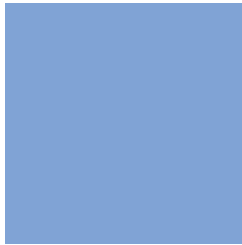
9.0885, 0.5315, 0.2701



0.5644, 0.4866, 0.2454

Previews

White Background



This preview shows how the Yxy color 35.5877, 0.2471, 0.2586 looks on a white background.

Color Contrast Check

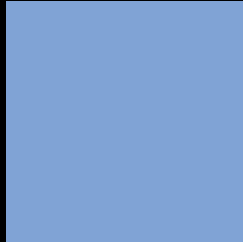
Large Text (above 18pt) WCAG AA × Fail

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 35.5877, 0.2471, 0.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

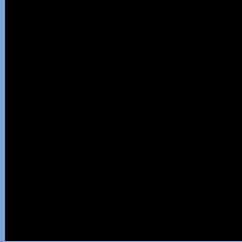
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

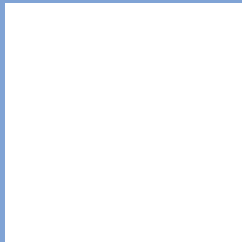
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5877, 0.2471, 0.2586

Background



This preview shows how black text looks on a background with the Yxy color 35.5877, 0.2471, 0.2586.

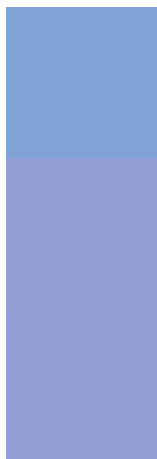


This preview shows how white text looks on a background with the Yxy color 35.5877, 0.2471, 0.2586.

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

35.5877, 0.2471, 0.2586

Protanopia

35.6525, 0.2620, 0.2590

Deuteranopia

35.4198, 0.2584, 0.2527



Tritanopia

35.7464, 0.2626, 0.3090

Trichromacy



Original Color

35.5877, 0.2471, 0.2586

Protanomaly

35.4202, 0.2562, 0.2582

Deuteranomaly

35.4856, 0.2535, 0.2545

Tritanomaly

35.6986, 0.2570, 0.2903

Monochromacy



Original Color

35.5877, 0.2471, 0.2586

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5590, 0.2856, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5877, 0.2471, 0.2586 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(128, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(128, 163, 213)  
}
```

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(128, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 163, 213) }
```

Border

The CSS property to change the border of an element to Yxy 35.5877, 0.2471, 0.2586 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(128, 163, 213) }
```

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

```
.border{ border-color:rgb(128, 163, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 163, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 163, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 163, 213);  
box-shadow:4px 4px 4px 4px rgb(128, 163,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5877, 0.2471, 0.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 163, 213) }
```

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

```
.background{ background-color: rgb(128,  
163, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor