

Converting Colors

$Y_{xy}(35.8030, 0.2405, 0.2401)$

Have a look what the booklet for
Yxy(35.8030, 0.2405, 0.2401)
contains.

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Color

Yxy(35.8611, 0.2406, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	83A1E3
RGB	131, 161, 227
RGB Percent	51%, 63%, 89%
CMY	0.4859, 0.3687, 0.1098
CMYK	0.42, 0.29, 0.00, 0.11
HSL	221°, 63%, 70%
HSV	221°, 42%, 89%
XYZ	35.9807, 35.8611, 77.7040
YIQ	159.5540, -39.0660, 14.1660

Conversions

Conversions Part 2

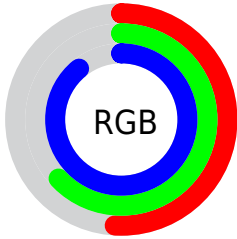
Format	Color
RYB	131, 154, 227
Decimal	8626659
CIELab	66.41, 6.47, -36.63
CIElCh	66, 37.201, 280.012
Yxy	35.8611, 0.2406, 0.2398
Android (android.graphics.Color)	4286816739 (0xFF83A1E3)
YUV	159.5540, 33.2509, -25.0419
Hunter-Lab	59.8841, 2.4526, -35.0142

Details

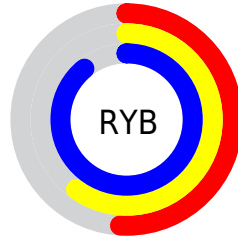
The Yxy color **35.8611, 0.2406, 0.2398** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.9587, 0.3887, 0.4039**, and the grayscale version is **34.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8965, 0.2694, 0.2857**, and **15.6286, 0.2202, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **29.1188, 0.2225, 0.2140**, and if you desaturate by 10%, it is **43.6858, 0.2588, 0.2642**.

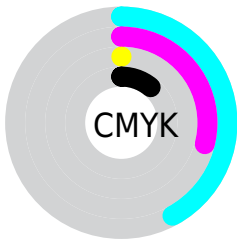
Distribution



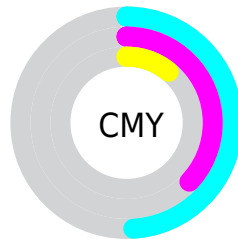
- Red (51%)
- Green (63%)
- Blue (89%)



- Red (51%)
- Yellow (60%)
- Blue (89%)



- Cyan (42%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8611, 0.2406, 0.2398 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 35.8611, 0.2406, 0.2398 by changing the saturation by 10% instead.

■ 35.8611, 0.2406,
0.2398

■ 35.8611, 0.2406,
0.2398

■ 328.3530, 0.2772,
0.2842

■ 24.3269, 0.2315,
0.2290

■ 68.8176, 0.2539,
0.2558

■ 15.5763, 0.2198,
0.2154

■ 91.0088, 0.2590,
0.2618

■ 9.2249, 0.2046,
0.1978

■ 117.5210, 0.2632,
0.2670

■ 4.8881, 0.1839,
0.1743

■ 148.7388, 0.2668,
0.2714

■ 2.1818, 0.1549,
0.1423

■ 185.0465, 0.2700,
0.2752

■ 0.7100, 0.1133,
0.0966

■ 226.8285, 0.2727,

■ 0.0000, 0.0000,

0.2786

0.0000

274.4692, 0.2751,
0.2816

■ 35.8611, 0.2406,
0.2398

■ 35.8611, 0.2406,
0.2398

■ 29.1188, 0.2225,
0.2140

■ 43.6858, 0.2588,
0.2642

■ 23.4035, 0.2052,
0.1874

■ 52.6364, 0.2766,
0.2867

■ 18.6608, 0.1896,
0.1612

■ 62.7589, 0.2935,
0.3071

■ 14.8283, 0.1766,
0.1366

■ 74.0953, 0.3093,
0.3252

■ 11.8348, 0.1668,
0.1148

■ 86.6855, 0.3239,
0.3412

■ 10.0207, 0.1612,
0.1003

■ 98.1606, 0.3292,
0.3559

■ 98.3265, 0.3292,
0.3562

Harmonies

Analogous

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



35.8611, 0.2152, 0.2526



35.8611, 0.2406, 0.2398



35.8611, 0.2861, 0.2475

Triad

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



35.8611, 0.2406, 0.2398



35.8611, 0.4242, 0.3541



35.8611, 0.2766, 0.3971

Complementary

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



35.8611, 0.2406, 0.2398



57.9587, 0.3887, 0.4039

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.



35.8611, 0.3313, 0.4296



35.8611, 0.2406, 0.2398



35.8611, 0.4187, 0.3964

Square

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



35.8611, 0.2406, 0.2398



35.8611, 0.3959, 0.3103



35.8611, 0.3836, 0.4265



35.8611, 0.2340, 0.3413

Rectangle

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



35.8611, 0.2406, 0.2398



35.8611, 0.3239, 0.2626



35.8611, 0.3836, 0.4265



35.8611, 0.2941, 0.4116

Sweetspot

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



35.8624, 0.2406, 0.2398



80.5411, 0.2922, 0.3055



63.7897, 0.2708, 0.3685



16.5900, 0.2885, 0.3011



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.



35.8624, 0.2406, 0.2398



38.6596, 0.2241, 0.2164



28.1622, 0.2473, 0.2029



14.6163, 0.2981, 0.3124



6.0269, 0.1619, 0.1029



0.6065, 0.1700, 0.1320

Inverse Universe

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



35.1615, 0.3871, 0.2943



38.6487, 0.4122, 0.2875



70.2011, 0.3620, 0.4382



14.4416, 0.3244, 0.3217



9.8061, 0.5715, 0.2922



0.7409, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 35.8611, 0.2406, 0.2398 looks on a white background.

Color Contrast Check

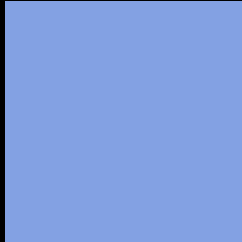
Large Text (above 18pt) WCAG AA × Fail

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 35.8611, 0.2406, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

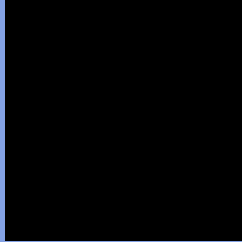
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8611, 0.2406, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 35.8611, 0.2406, 0.2398.



This preview shows how white text looks on a background with the Yxy color 35.8611, 0.2406, 0.2398.

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

35.8611, 0.2406, 0.2398

Protanopia

35.8952, 0.2480, 0.2408

Deuteranopia

35.6607, 0.2441, 0.2379



Tritanopia

35.7168, 0.2612, 0.3075

Trichromacy



Original Color

35.8611, 0.2406, 0.2398

Protanomaly

35.9510, 0.2449, 0.2404

Deuteranomaly

35.8386, 0.2430, 0.2390

Tritanomaly

35.6069, 0.2530, 0.2805

Monochromacy



Original Color

35.8611, 0.2406, 0.2398

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.9919, 0.2826, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8611, 0.2406, 0.2398 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(131, 161, 227)` looks like.

```
.text, #text, p{  
    color:rgb(131, 161, 227)  
}
```

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(131, 161, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 161, 227) }
```

Border

The CSS property to change the border of an element to Yxy 35.8611, 0.2406, 0.2398 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(131, 161, 227) }
```

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

```
.border{ border-color:rgb(131, 161, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 161, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 161, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 161, 227); box-shadow:4px 4px 4px 4px rgb(131, 161, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8611, 0.2406, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 161, 227) }
```

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

```
.background{ background-color: rgb(131,  
161, 227) }
```

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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