

Converting Colors

$Y_{xy}(35.8021, 0.2466, 0.2305)$

Have a look what the booklet for
Yxy(35.8021, 0.2466, 0.2305)
contains.

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Color

Yxy(35.7141, 0.2468, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	929CE8
RGB	146, 156, 232
RGB Percent	57%, 61%, 91%
CMY	0.4274, 0.3882, 0.0903
CMYK	0.37, 0.33, 0.00, 0.09
HSL	233°, 65%, 74%
HSV	233°, 37%, 91%
XYZ	38.3061, 35.7141, 81.1910
YIQ	161.6740, -30.3560, 21.5160

Conversions

Conversions Part 2

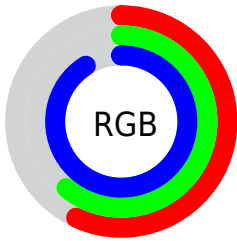
Format	Color
RYB	146, 155, 232
Decimal	9608424
CIELab	66.30, 14.58, -39.46
CIElCh	66, 42.072, 290.282
Yxy	35.7141, 0.2468, 0.2301
Android (android.graphics.Color)	4287798504 (0xFF929CE8)
YUV	161.6740, 34.6707, -13.7461
Hunter-Lab	59.7613, 9.8337, -38.7178

Details

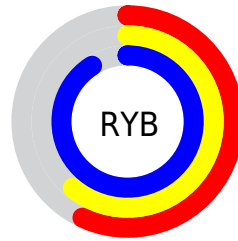
The Yxy color **35.7141, 0.2468, 0.2301** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.4583, 0.3719, 0.4116**, and the grayscale version is **35.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8697, 0.2783, 0.2801**, and **15.5131, 0.2277, 0.2042** is the 20% darker color. If you saturate the color by 10%, you get **27.4906, 0.2263, 0.1979**, and if you desaturate by 10%, it is **45.5328, 0.2666, 0.2605**.

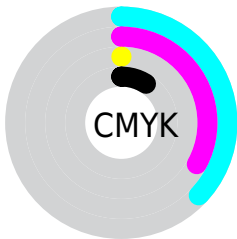
Distribution



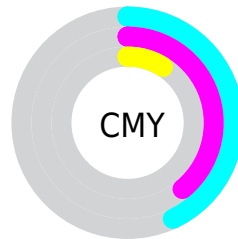
- Red (57%)
- Green (61%)
- Blue (91%)



- Red (57%)
- Yellow (61%)
- Blue (91%)



- Cyan (37%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)



- Cyan (43%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7141, 0.2468, 0.2301 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 35.7141, 0.2468, 0.2301 by changing the saturation by 10% instead.

■ 35.7141, 0.2468,
0.2301

■ 35.7141, 0.2468,
0.2301

■ 327.7092, 0.2806,
0.2785

■ 24.2135, 0.2383,
0.2186

■ 68.5906, 0.2592,
0.2473

■ 15.4921, 0.2274,
0.2042

■ 90.7352, 0.2638,
0.2539

■ 9.1654, 0.2131,
0.1858

■ 117.1966, 0.2677,
0.2595

■ 4.8493, 0.1937,
0.1617

■ 148.3592, 0.2710,
0.2644

■ 2.1591, 0.1662,
0.1297

■ 184.6073, 0.2739,
0.2686

■ 0.6975, 0.1263,
0.0854

■ 226.3255, 0.2764,

■ 0.0000, 0.0000,

0.2723

0.0000

273.8979, 0.2787,
0.2756

■ 35.7141, 0.2468,
0.2301

■ 35.7141, 0.2468,
0.2301

■ 27.4906, 0.2263,
0.1979

■ 45.5328, 0.2666,
0.2605

■ 20.7739, 0.2062,
0.1653

■ 57.0210, 0.2851,
0.2884

■ 15.4727, 0.1876,
0.1342

■ 70.2529, 0.3019,
0.3133

■ 11.4845, 0.1719,
0.1068

■ 85.2974, 0.3170,
0.3352

■ 8.6923, 0.1604,
0.0850

■ 98.6041, 0.3262,
0.3513

■ 6.9556, 0.1534,
0.0703

■ 6.6055, 0.1520,
0.0672

Harmonies

Analogous

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



35.7141, 0.2108, 0.2356



35.7141, 0.2468, 0.2301



35.7141, 0.3036, 0.2459

Triad

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



35.7141, 0.2468, 0.2301



35.7141, 0.4409, 0.3725



35.7141, 0.2529, 0.3864

Complementary

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



35.7141, 0.2468, 0.2301



71.4583, 0.3719, 0.4116

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.



35.7141, 0.3111, 0.4361



35.7141, 0.2468, 0.2301



35.7141, 0.4212, 0.4176

Square

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



35.7141, 0.2468, 0.2301



35.7141, 0.4220, 0.3236



35.7141, 0.3728, 0.4449



35.7141, 0.2133, 0.3197

Rectangle

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



35.7141, 0.2468, 0.2301



35.7141, 0.3477, 0.2663



35.7141, 0.3728, 0.4449



35.7141, 0.2709, 0.4065

Sweetspot

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



35.7154, 0.2468, 0.2301



80.2523, 0.2954, 0.3036



69.0764, 0.2661, 0.3411



16.6969, 0.2931, 0.3003



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.



35.7154, 0.2468, 0.2301



36.7627, 0.2321, 0.2071



35.9682, 0.2708, 0.2243



14.1554, 0.2980, 0.3076



3.7611, 0.1524, 0.0687



0.3676, 0.1577, 0.0876

Inverse Universe

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



40.1146, 0.3925, 0.3177



43.2396, 0.4163, 0.3157



71.9137, 0.3437, 0.4292



14.3951, 0.3274, 0.3263



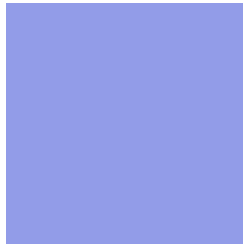
9.5774, 0.6255, 0.3219



0.7168, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 35.7141, 0.2468, 0.2301 looks on a white background.

Color Contrast Check

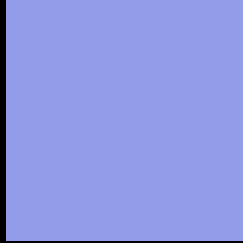
Large Text (above 18pt) WCAG AA × Fail

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 35.7141, 0.2468, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

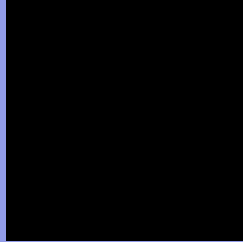
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7141, 0.2468, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 35.7141, 0.2468, 0.2301.



This preview shows how white text looks on a background with the Yxy color 35.7141, 0.2468, 0.2301.

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

35.7141, 0.2468, 0.2301

Protanopia

35.6285, 0.2393, 0.2290

Deuteranopia

35.6341, 0.2398, 0.2332



Tritanopia

35.6361, 0.2740, 0.3079

Trichromacy



Original Color

35.7141, 0.2468, 0.2301

Protanomaly

35.5726, 0.2423, 0.2293

Deuteranomaly

35.6265, 0.2422, 0.2324

Tritanomaly

35.3675, 0.2630, 0.2760

Monochromacy



Original Color

35.7141, 0.2468, 0.2301

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.7974, 0.2863, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7141, 0.2468, 0.2301 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(146, 156, 232)` looks like.

```
.text, #text, p{  
    color:rgb(146, 156, 232)  
}
```

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(146, 156, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 156, 232) }
```

Border

The CSS property to change the border of an element to Yxy 35.7141, 0.2468, 0.2301 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(146, 156, 232) }
```

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

```
.border{ border-color:rgb(146, 156, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 156, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 156, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 156, 232); box-shadow:4px 4px 4px 4px rgb(146, 156, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7141, 0.2468, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 156, 232) }
```

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

```
.background{ background-color: rgb(146,  
156, 232) }
```

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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