

Converting Colors

$Y_{xy}(34.7975, 0.2365, 0.2330)$

Have a look what the booklet for
Yxy(34.7975, 0.2365, 0.2330)
contains.

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Color

Yxy(34.7001, 0.2368, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	809EE5
RGB	128, 158, 229
RGB Percent	50%, 62%, 90%
CMY	0.4982, 0.3803, 0.1020
CMYK	0.44, 0.31, 0.00, 0.10
HSL	222°, 66%, 70%
HSV	222°, 44%, 90%
XYZ	35.2660, 34.7001, 78.9613
YIQ	157.1240, -40.6710, 15.7210

Conversions

Conversions Part 2

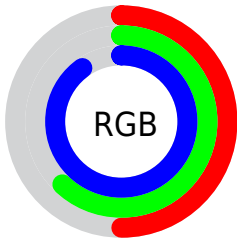
Format	Color
RYB	128, 151, 229
Decimal	8429285
CIELab	65.51, 7.93, -39.14
CIELCh	66, 39.940, 281.456
Yxy	34.7001, 0.2368, 0.2330
Android (android.graphics.Color)	4286619365 (0xFF809EE5)
YUV	157.1240, 35.4349, -25.5417
Hunter-Lab	58.9068, 3.7766, -38.2403

Details

The Yxy color **34.7001, 0.2368, 0.2330** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.0332, 0.3919, 0.4086**, and the grayscale version is **33.6245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4973, 0.2672, 0.2808**, and **14.9102, 0.2150, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **27.9878, 0.2186, 0.2064**, and if you desaturate by 10%, it is **42.5340, 0.2552, 0.2583**.

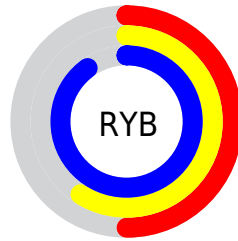
Distribution



Red (50%)

Green (62%)

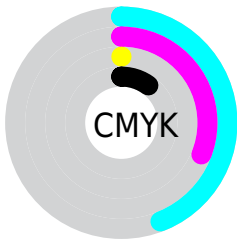
Blue (90%)



Red (50%)

Yellow (59%)

Blue (90%)

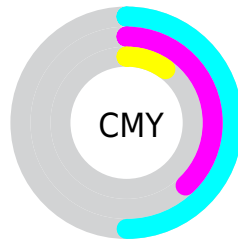


Cyan (44%)

Magenta (31%)

Yellow (0%)

Black (10%)



Cyan (50%)


Magenta (38%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7001, 0.2368, 0.2330 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 34.7001, 0.2368, 0.2330 by changing the saturation by 10% instead.


 34.7001, 0.2368,
0.2330


 34.7001, 0.2368,
0.2330


323.2426, 0.2755,
0.2807

 23.4320, 0.2272,
0.2215


 67.0209, 0.2509,
0.2501

 14.9128, 0.2149,
0.2069


 88.8424, 0.2562,
0.2566

 8.7582, 0.1988,
0.1882


 114.9504, 0.2607,
0.2622

 4.5838, 0.1771,
0.1636

145.7293, 0.2645,
0.2669

 2.0052, 0.1469,
0.1304

181.5637, 0.2678,
0.2710

 0.6105, 0.1044,
0.0823

222.8377, 0.2707,

 0.0000, 0.0000,

0.2747

0.0000

269.9359, 0.2732,
0.2779

■ 34.7001, 0.2368,
0.2330

■ 34.7001, 0.2368,
0.2330

■ 27.9878, 0.2186,
0.2064

■ 42.5340, 0.2552,
0.2583

■ 22.3383, 0.2014,
0.1794

■ 51.5367, 0.2733,
0.2817

■ 17.6928, 0.1861,
0.1530

■ 61.7570, 0.2904,
0.3029

■ 13.9840, 0.1735,
0.1287

■ 73.2398, 0.3065,
0.3218

■ 11.1345, 0.1643,
0.1076

■ 86.0276, 0.3213,
0.3386

■ 9.8050, 0.1603,
0.0969

■ 98.1433, 0.3280,
0.3538

■ 98.4367, 0.3280,
0.3542

Harmonies

Analogous

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



34.7001, 0.2087, 0.2452



34.7001, 0.2368, 0.2330



34.7001, 0.2865, 0.2424

Triad

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



34.7001, 0.2368, 0.2330



34.7001, 0.4342, 0.3575



34.7001, 0.2706, 0.4009

Complementary

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



34.7001, 0.2368, 0.2330



59.0332, 0.3919, 0.4086

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.



34.7001, 0.3293, 0.4381



34.7001, 0.2368, 0.2330



34.7001, 0.4260, 0.4029

Square

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



34.7001, 0.2368, 0.2330



34.7001, 0.4053, 0.3106



34.7001, 0.3865, 0.4355



34.7001, 0.2260, 0.3389

Rectangle

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



34.7001, 0.2368, 0.2330



34.7001, 0.3276, 0.2591



34.7001, 0.3865, 0.4355



34.7001, 0.2893, 0.4174

Sweetspot

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



34.7014, 0.2368, 0.2330



80.2765, 0.2922, 0.3050



64.7292, 0.2685, 0.3683



16.5252, 0.2885, 0.3005



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.



34.7014, 0.2368, 0.2330



36.3619, 0.2200, 0.2086



27.3965, 0.2451, 0.1969



14.5824, 0.2981, 0.3120



5.7895, 0.1610, 0.0995



0.5855, 0.1690, 0.1284

Inverse Universe

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



34.5541, 0.3937, 0.2945



37.1968, 0.4206, 0.2882



71.1158, 0.3627, 0.4436



14.4382, 0.3246, 0.3220



9.7822, 0.5766, 0.2950



0.7388, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 34.7001, 0.2368, 0.2330 looks on a white background.

Color Contrast Check

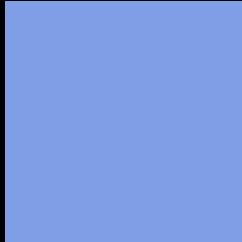
Large Text (above 18pt) WCAG AA × Fail

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 34.7001, 0.2368, 0.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

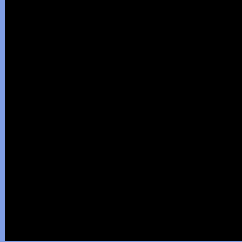
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7001, 0.2368, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 34.7001, 0.2368, 0.2330.



This preview shows how white text looks on a background with the Yxy color 34.7001, 0.2368, 0.2330.

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

34.7001, 0.2368, 0.2330

Protanopia

34.6126, 0.2422, 0.2326

Deuteranopia

34.5964, 0.2385, 0.2321



Tritanopia

34.6185, 0.2593, 0.3072

Trichromacy



Original Color

34.7001, 0.2368, 0.2330

Protanomaly

34.7019, 0.2404, 0.2334

Deuteranomaly

34.5169, 0.2379, 0.2319

Tritanomaly

34.6212, 0.2511, 0.2785

Monochromacy



Original Color

34.7001, 0.2368, 0.2330

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6438, 0.2806, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7001, 0.2368, 0.2330 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, 158, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 158, 229)  
}
```

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, 158, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 158, 229) }
```

Border

The CSS property to change the border of an element to Yxy 34.7001, 0.2368, 0.2330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

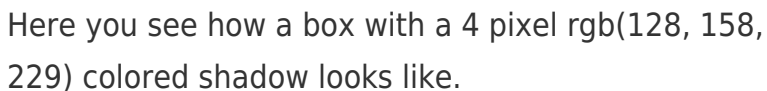
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 158, 229) }
```

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

```
.border{ border-color:rgb(128, 158, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 158, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 158, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 158, 229); box-shadow:4px 4px 4px 4px rgb(128, 158, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7001, 0.2368, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 158, 229) }
```

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

```
.background{ background-color: rgb(128,  
158, 229) }
```

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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