

Converting Colors

$Y_{xy}(34.2408, 0.2642, 0.2384)$

Have a look what the booklet for
Yxy(34.2408, 0.2642, 0.2384)
contains.

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Color

Yxy(34.2981, 0.2640, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	9F96DB
RGB	159, 150, 219
RGB Percent	62%, 59%, 86%
CMY	0.3763, 0.4118, 0.1412
CMYK	0.27, 0.32, 0.00, 0.14
HSL	248°, 49%, 72%
HSV	248°, 32%, 86%
XYZ	37.9971, 34.2981, 71.6331
YIQ	160.5570, -16.7850, 23.3670

Conversions

Conversions Part 2

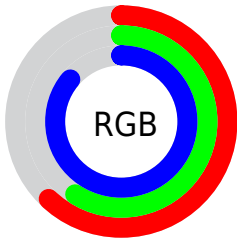
Format	Color
R_{YB}	159, 150, 219
Decimal	10458843
CIE _{Lab}	65.20, 18.34, -33.95
CIE _{LCh}	65, 38.586, 298.378
Yxy	34.2981, 0.2640, 0.2383
Android (android.graphics.Color)	4288648923 (0xFF9F96DB)
YUV	160.5570, 28.8124, -1.3655
Hunter-Lab	58.5646, 13.3239, -31.5252

Details

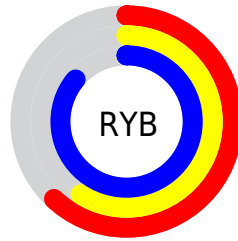
The Yxy color **34.2981, 0.2640, 0.2383** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.5559, 0.3529, 0.4093**, and the grayscale version is **35.2979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8528, 0.2866, 0.2747**, and **14.6682, 0.2485, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **26.1535, 0.2450, 0.2045**, and if you desaturate by 10%, it is **44.0507, 0.2815, 0.2702**.

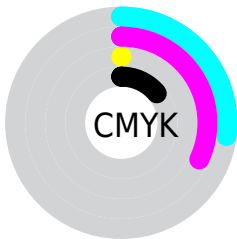
Distribution



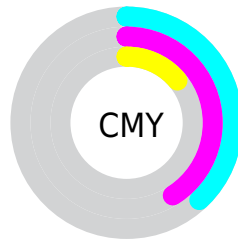
- Red (62%)
- Green (59%)
- Blue (86%)



- Red (62%)
- Yellow (59%)
- Blue (86%)



- Cyan (27%)
- Magenta (32%)
- Yellow (0%)
- Black (14%)



- Cyan (38%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2981, 0.2640, 0.2383 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 34.2981, 0.2640, 0.2383 by changing the saturation by 10% instead.

■ 34.2981, 0.2640,
0.2383

■ 34.2981, 0.2640,
0.2383

■ 321.4592, 0.2896,
0.2831

■ 23.1227, 0.2573,
0.2275

■ 66.3970, 0.2735,
0.2544

■ 14.6841, 0.2486,
0.2138

■ 88.0892, 0.2771,
0.2605

■ 8.5980, 0.2369,
0.1962

■ 114.0559, 0.2800,
0.2656

■ 4.4799, 0.2204,
0.1727

■ 144.6814, 0.2825,
0.2701

■ 1.9455, 0.1959,
0.1404

■ 180.3501, 0.2847,
0.2740

■ 0.5755, 0.1582,
0.0907

■ 221.4463, 0.2865,

■ 0.0000, 0.0000,

0.2774

0.0000

268.3546, 0.2882,
0.2804

■ 34.2981, 0.2640,
0.2383

■ 34.2981, 0.2640,
0.2383

■ 26.1535, 0.2450,
0.2045

■ 44.0507, 0.2815,
0.2702

■ 19.5264, 0.2251,
0.1701

■ 55.4874, 0.2971,
0.2993

■ 14.3234, 0.2055,
0.1372

■ 68.6841, 0.3108,
0.3253

■ 10.4389, 0.1873,
0.1081

■ 83.7110, 0.3227,
0.3483

■ 7.7527, 0.1720,
0.0851

■ 97.7376, 0.3334,
0.3642

■ 6.1220, 0.1607,
0.0698

■ 97.8943, 0.3340,
0.3641

■ 5.3720, 0.1545,
0.0625

Harmonies

Analogous

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



34.2981, 0.2241, 0.2380



34.2981, 0.2640, 0.2383



34.2981, 0.3209, 0.2580

Triad

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



34.2981, 0.2640, 0.2383



34.2981, 0.4305, 0.3827



34.2981, 0.2450, 0.3659

Complementary

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



34.2981, 0.2640, 0.2383



66.5559, 0.3529, 0.4093

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.



34.2981, 0.2960, 0.4186



34.2981, 0.2640, 0.2383



34.2981, 0.4042, 0.4213

Square

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



34.2981, 0.2640, 0.2383



34.2981, 0.4226, 0.3368



34.2981, 0.3544, 0.4382



34.2981, 0.2137, 0.3053

Rectangle

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



34.2981, 0.2640, 0.2383



34.2981, 0.3618, 0.2799



34.2981, 0.3544, 0.4382



34.2981, 0.2603, 0.3858

Sweetspot

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



34.2994, 0.2640, 0.2383



82.6343, 0.3006, 0.3059



58.1593, 0.2666, 0.3187



17.1282, 0.2985, 0.3019



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.



34.2994, 0.2640, 0.2383



40.3458, 0.2512, 0.2154



38.2012, 0.2926, 0.2453



12.6987, 0.3001, 0.3050



3.2120, 0.1552, 0.0629



0.2354, 0.1670, 0.0694

Inverse Universe

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



41.5189, 0.3244, 0.2603



52.1754, 0.3275, 0.2457



62.1452, 0.3272, 0.4164



13.2439, 0.3158, 0.3089



11.1524, 0.3569, 0.1740



0.7309, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 34.2981, 0.2640, 0.2383 looks on a white background.

Color Contrast Check

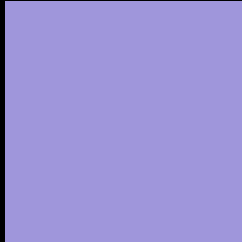
Large Text (above 18pt) WCAG AA × Fail

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 34.2981, 0.2640, 0.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

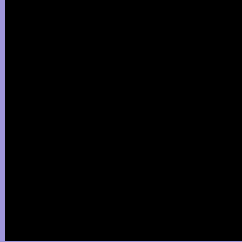
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2981, 0.2640, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 34.2981, 0.2640, 0.2383.



This preview shows how white text looks on a background with the Yxy color 34.2981, 0.2640, 0.2383.

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

34.2981, 0.2640, 0.2383

Protanopia

34.4771, 0.2452, 0.2371

Deuteranopia

34.3279, 0.2503, 0.2441



Tritanopia

34.2589, 0.2931, 0.3097

Trichromacy



Original Color

34.2981, 0.2640, 0.2383

Protanomaly

34.4049, 0.2518, 0.2378

Deuteranomaly

34.2842, 0.2551, 0.2425

Tritanomaly

34.2234, 0.2818, 0.2820

Monochromacy



Original Color

34.2981, 0.2640, 0.2383

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.9649, 0.2938, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2981, 0.2640, 0.2383 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(159, 150, 219)` looks like.

```
.text, #text, p{  
    color:rgb(159, 150, 219)  
}
```

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(159, 150, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 150, 219) }
```

Border

The CSS property to change the border of an element to Yxy 34.2981, 0.2640, 0.2383 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(159, 150, 219) }
```

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

```
.border{ border-color:rgb(159, 150, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 150, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 150, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 150, 219);  
box-shadow:4px 4px 4px 4px rgb(159, 150,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2981, 0.2640, 0.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 150, 219) }
```

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

```
.background{ background-color: rgb(159,  
150, 219) }
```

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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