

Converting Colors

$Y_{xy}(36.0658, 0.2329, 0.1756)$

Have a look what the booklet for
Yxy(36.0658, 0.2329, 0.1756)
contains.

Yxy(34.3010, 0.2465, 0.1940)	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(34.3010, 0.2465, 0.1940)

Conversions

Conversions Part 1

Format	Color
Hex	A88CFF
RGB	168, 140, 255
RGB Percent	66%, 55%, 100%
CMY	0.3410, 0.4510, 0.0000
CMYK	0.34, 0.45, 0.00, 0.00
HSL	255°, 100%, 77%
HSV	255°, 45%, 100%
XYZ	43.5835, 34.3010, 98.9248
YIQ	161.4820, -20.2270, 41.7010

Conversions

Conversions Part 2

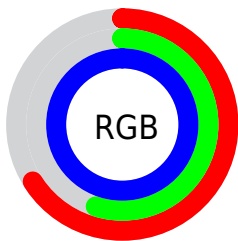
Format	Color
R _Y B	168, 140, 255
Decimal	11046143
CIE Lab	65.20, 35.56, -53.71
CIE LCh	65, 64.412, 303.511
Yxy	34.3010, 0.2465, 0.1940
Android (android.graphics.Color)	4289236223 (0xFFA88CFF)
YUV	161.4820, 46.1044, 5.7163
Hunter-Lab	58.5671, 30.3409, -59.1490

Details

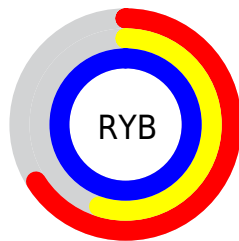
The Yxy color **34.3010, 0.2465, 0.1940** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.7271, 0.3604, 0.4482**, and the grayscale version is **35.6679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9723, 0.2941, 0.2653**, and **14.6667, 0.2265, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **25.7329, 0.2282, 0.1610**, and if you desaturate by 10%, it is **44.9115, 0.2640, 0.2273**.

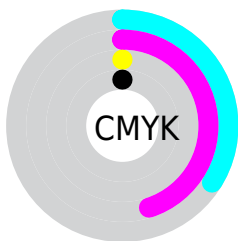
Distribution



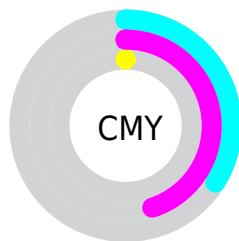
- Red (66%)
- Green (55%)
- Blue (100%)



- Red (66%)
- Yellow (55%)
- Blue (100%)



- Cyan (34%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3010, 0.2465, 0.1940 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 34.3010, 0.2465, 0.1940 by changing the saturation by 10% instead.


 34.3010, 0.2465,
0.1940


 34.3010, 0.2465,
0.1940


321.4721, 0.2812,
0.2569


 23.1249, 0.2377,
0.1800


 66.4015, 0.2593,
0.2156

 14.6858, 0.2266,
0.1631


 88.0947, 0.2640,
0.2241

 8.5992, 0.2120,
0.1425


 114.0624, 0.2680,
0.2314

 4.4807, 0.1925,
0.1171

144.6890, 0.2715,
0.2379

 1.9459, 0.1655,
0.0861

180.3588, 0.2744,
0.2435

 0.5758, 0.1281,
0.0474

221.4564, 0.2770,


 0.0000, 0.0641,


0.2485

0.0000


268.3660, 0.2792,
0.2529

 0.0000, 0.0000,
0.0000


 34.3010, 0.2465,
0.1940


 34.3010, 0.2465,
0.1940

 25.7329, 0.2282,
0.1610

 44.9115, 0.2640,
0.2273


 19.0687, 0.2099,
0.1302


 57.6830, 0.2801,
0.2593

 14.1584, 0.1929,
0.1038

 72.7290, 0.2944,
0.2892

 10.8267, 0.1782,
0.0837

 90.1544, 0.3070,
0.3163

 8.8597, 0.1668,
0.0709

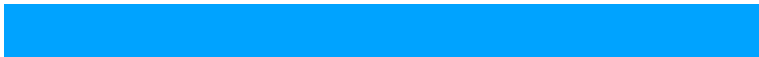
99.9995, 0.3127,
0.3290

■ 8.2512, 0.1624,
0.0668

Harmonies

Analogous

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



34.3010, 0.1832, 0.1864



34.3010, 0.2465, 0.1940



34.3010, 0.3407, 0.2269

Triad

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



34.3010, 0.2465, 0.1940



34.3010, 0.4964, 0.4122



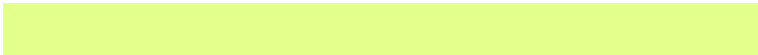
34.3010, 0.1915, 0.3703

Complementary

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



34.3010, 0.2465, 0.1940



89.7271, 0.3604, 0.4482

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.



34.3010, 0.2637, 0.4761



34.3010, 0.2465, 0.1940



34.3010, 0.4394, 0.4783

Square

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



34.3010, 0.2465, 0.1940



34.3010, 0.5011, 0.3436



34.3010, 0.3545, 0.5144



34.3010, 0.1549, 0.2685

Rectangle

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



34.3010, 0.2465, 0.1940



34.3010, 0.4096, 0.2604



34.3010, 0.3545, 0.5144



34.3010, 0.2120, 0.4088

Sweetspot

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



34.3023, 0.2465, 0.1940



74.5358, 0.2959, 0.2923



68.3675, 0.2465, 0.2975



15.2044, 0.2930, 0.2861



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.



34.3023, 0.2465, 0.1940



26.5830, 0.2302, 0.1645



41.8706, 0.2917, 0.2096



17.5918, 0.3017, 0.3047



4.3693, 0.1637, 0.0676



0.4736, 0.1745, 0.0735

Inverse Universe

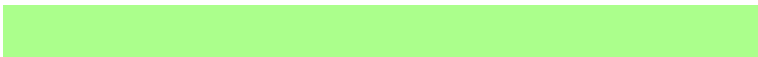
The Inverse Universe completely reimagines the original color for something new.



45.5525, 0.3429, 0.2423



39.2940, 0.3509, 0.2270



82.0277, 0.3235, 0.4638



18.2201, 0.3176, 0.3112



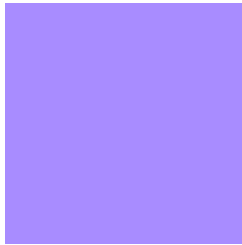
13.1400, 0.3944, 0.1946



1.2966, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 34.3010, 0.2465, 0.1940 looks on a white background.

Color Contrast Check

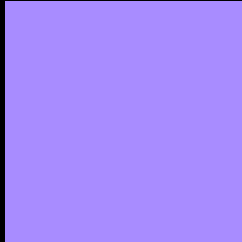
Large Text (above 18pt) WCAG AA × Fail

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 34.3010, 0.2465, 0.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

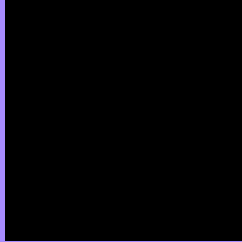
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3010, 0.2465, 0.1940

Background



This preview shows how black text looks on a background with the Yxy color 34.3010, 0.2465, 0.1940.



This preview shows how white text looks on a background with the Yxy color 34.3010, 0.2465, 0.1940.

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

34.3010, 0.2465, 0.1940

Protanopia

34.5846, 0.2182, 0.2019

Deuteranopia

34.4829, 0.2142, 0.2076



Tritanopia

34.2589, 0.2931, 0.3097

Trichromacy



Original Color

34.3010, 0.2465, 0.1940

Protanomaly

34.3511, 0.2273, 0.1988

Deuteranomaly

33.8286, 0.2241, 0.2012

Tritanomaly

33.8888, 0.2749, 0.2603

Monochromacy



Original Color

34.3010, 0.2465, 0.1940

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.6151, 0.2866, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3010, 0.2465, 0.1940 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(168, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 140, 255)  
}
```

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(168, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.3010, 0.2465, 0.1940 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(168, 140, 255) }
```

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

```
.border{ border-color:rgb(168, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3010, 0.2465, 0.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 140, 255) }
```

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

```
.background{ background-color: rgb(168,  
140, 255) }
```

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