

Converting Colors

$Y_{xy}(34.3254, 0.2345, 0.1970)$

Have a look what the booklet for
Yxy(34.3254, 0.2345, 0.1970)
contains.

Yxy(34.1673, 0.2341, 0.1964)	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(34.1673, 0.2341, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	9592FF
RGB	149, 146, 255
RGB Percent	58%, 57%, 100%
CMY	0.4157, 0.4275, 0.0000
CMYK	0.42, 0.43, 0.00, 0.00
HSL	242°, 100%, 79%
HSV	242°, 43%, 100%
XYZ	40.7259, 34.1673, 99.0747
YIQ	159.3230, -33.2010, 34.5350

Conversions

Conversions Part 2

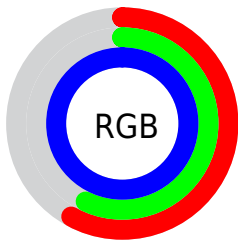
Format	Color
R_{YB}	149, 146, 255
Decimal	9802495
CIE _{Lab}	65.10, 27.40, -53.99
CIE _{LCh}	65, 60.541, 296.909
Yxy	34.1673, 0.2341, 0.1964
Android (android.graphics.Color)	4287992575 (0xFF9592FF)
YUV	159.3230, 47.1688, -9.0533
Hunter-Lab	58.4528, 22.0741, -59.5768

Details

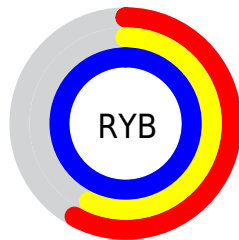
The Yxy color **34.1673, 0.2341, 0.1964** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.2898, 0.3746, 0.4355**, and the grayscale version is **34.6174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7940, 0.2809, 0.2694**, and **14.7183, 0.2116, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **25.0735, 0.2127, 0.1608**, and if you desaturate by 10%, it is **45.5101, 0.2552, 0.2317**.

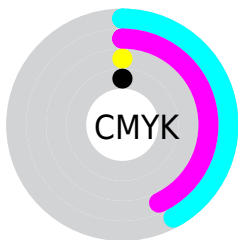
Distribution



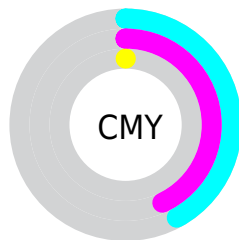
- Red (58%)
- Green (57%)
- Blue (100%)



- Red (58%)
- Yellow (57%)
- Blue (100%)



- Cyan (42%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1673, 0.2341, 0.1964 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 34.1673, 0.2341, 0.1964 by changing the saturation by 10% instead.


 34.1673, 0.2341,
0.1964


 34.1673, 0.2341,
0.1964


320.8774, 0.2745,
0.2589

 23.0222, 0.2241,
0.1824


 66.1937, 0.2488,
0.2180

 14.6099, 0.2115,
0.1654


 87.8438, 0.2543,
0.2264

 8.5460, 0.1953,
0.1445


113.7644, 0.2590,
0.2337

 4.4463, 0.1738,
0.1188

144.3397, 0.2630,
0.2401

 1.9262, 0.1449,
0.0872

179.9543, 0.2665,
0.2456

 0.5641, 0.1062,
0.0475

220.9925, 0.2695,

 0.0000, 0.0279,

0.2505

0.0000

267.8388, 0.2721,
0.2549

■ 0.0000, 0.0000,
0.0000

■ 34.1673, 0.2341,
0.1964

■ 34.1673, 0.2341,
0.1964

■ 25.0735, 0.2127,
0.1608

■ 45.5101, 0.2552,
0.2317

■ 18.0798, 0.1924,
0.1273

■ 59.2388, 0.2750,
0.2650

■ 13.0180, 0.1748,
0.0986

■ 75.4783, 0.2929,
0.2953

■ 9.6946, 0.1616,
0.0773

■ 94.3451, 0.3087,
0.3222

■ 7.8758, 0.1535,
0.0647

100.0000, 0.3127,
0.3290

■ 7.2654, 0.1506,
0.0603

Harmonies

Analogous

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



34.1673, 0.1804, 0.1952



34.1673, 0.2341, 0.1964



34.1673, 0.3182, 0.2230

Triad

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



34.1673, 0.2341, 0.1964



34.1673, 0.4930, 0.3955



34.1673, 0.2107, 0.3918

Complementary

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



34.1673, 0.2341, 0.1964



94.2898, 0.3746, 0.4355

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.



34.1673, 0.2857, 0.4811



34.1673, 0.2341, 0.1964



34.1673, 0.4490, 0.4595

Square

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



34.1673, 0.2341, 0.1964



34.1673, 0.4829, 0.3302



34.1673, 0.3728, 0.5010



34.1673, 0.1672, 0.2909

Rectangle

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



34.1673, 0.2341, 0.1964



34.1673, 0.3832, 0.2526



34.1673, 0.3728, 0.5010



34.1673, 0.2329, 0.4265

Sweetspot

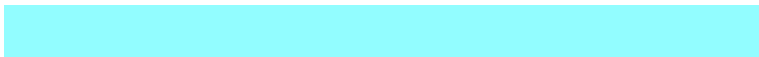
The Sweet Spot groups the original color and five complimentary colors.



34.1671, 0.2341, 0.1964



75.0334, 0.2925, 0.2946



83.6972, 0.2541, 0.3268



15.2486, 0.2887, 0.2882



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.



34.1671, 0.2341, 0.1964



26.5054, 0.2164, 0.1669



40.3779, 0.2738, 0.2095



17.4016, 0.2983, 0.3044



3.8066, 0.1508, 0.0604



0.3787, 0.1528, 0.0615

Inverse Universe

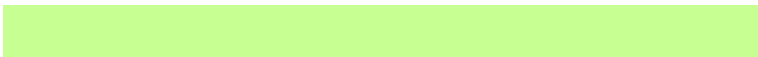
The Inverse Universe completely reimagines the original color for something new.



48.8452, 0.3201, 0.2263



42.9058, 0.3216, 0.2089



85.6940, 0.3382, 0.4500



18.2912, 0.3142, 0.3062



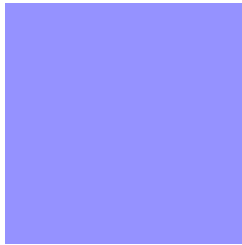
14.6530, 0.3279, 0.1580



1.4293, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 34.1673, 0.2341, 0.1964 looks on a white background.

Color Contrast Check

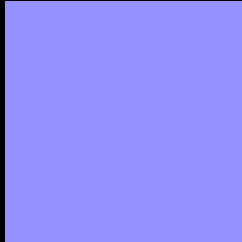
Large Text (above 18pt) WCAG AA × Fail

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 34.1673, 0.2341, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

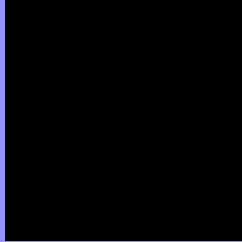
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1673, 0.2341, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 34.1673, 0.2341, 0.1964.



This preview shows how white text looks on a background with the Yxy color 34.1673, 0.2341, 0.1964.

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

34.1673, 0.2341, 0.1964

Protanopia

34.1828, 0.2174, 0.2005

Deuteranopia

34.3656, 0.2124, 0.2063



Tritanopia

33.9961, 0.2725, 0.3089

Trichromacy



Original Color

34.1673, 0.2341, 0.1964

Protanomaly

34.0203, 0.2228, 0.1985

Deuteranomaly

34.1961, 0.2194, 0.2026

Tritanomaly

33.7560, 0.2566, 0.2606

Monochromacy



Original Color

34.1673, 0.2341, 0.1964

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9748, 0.2795, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1673, 0.2341, 0.1964 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(149, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 146, 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(149, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.1673, 0.2341, 0.1964 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(149, 146, 255) }
```

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

```
.border{ border-color:rgb(149, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1673, 0.2341, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 146, 255) }
```

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

```
.background{ background-color: rgb(149,  
146, 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