

Converting Colors

$Y_{xy}(33.8560, 0.2471, 0.1921)$

Have a look what the booklet for
Yxy(33.8560, 0.2471, 0.1921)
contains.

Yxy(33.8320, 0.2469, 0.1920)	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(33.8320, 0.2469, 0.1920)

Conversions

Conversions Part 1

Format	Color
Hex	A98AFF
RGB	169, 138, 255
RGB Percent	66%, 54%, 100%
CMY	0.3372, 0.4589, 0.0000
CMYK	0.34, 0.46, 0.00, 0.00
HSL	256°, 100%, 77%
HSV	256°, 46%, 100%
XYZ	43.5058, 33.8320, 98.8705
YIQ	160.6070, -19.0810, 42.9590

Conversions

Conversions Part 2

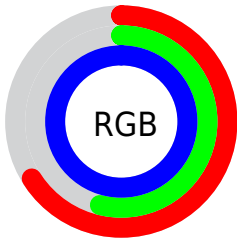
Format	Color
RYB	169, 138, 255
Decimal	11111167
CIELab	64.83, 36.94, -54.31
CIElCh	65, 65.680, 304.218
Yxy	33.8320, 0.2469, 0.1920
Android (android.graphics.Color)	4289301247 (0xFFA98AFF)
YUV	160.6070, 46.5357, 7.3607
Hunter-Lab	58.1653, 31.7233, -60.0666

Details

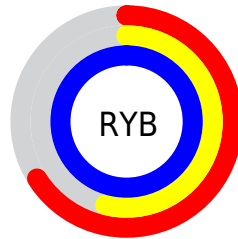
The Yxy color **33.8320, 0.2469, 0.1920** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.1991, 0.3594, 0.4510**, and the grayscale version is **35.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2502, 0.2948, 0.2633**, and **14.4043, 0.2269, 0.1601** is the 20% darker color. If you saturate the color by 10%, you get **25.4273, 0.2289, 0.1594**, and if you desaturate by 10%, it is **44.2496, 0.2641, 0.2251**.

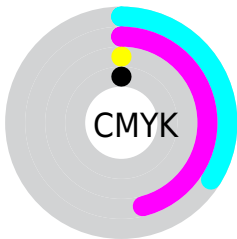
Distribution



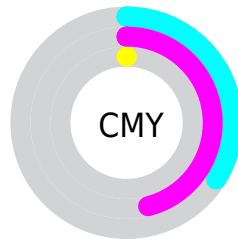
- Red (66%)
- Green (54%)
- Blue (100%)



- Red (66%)
- Yellow (54%)
- Blue (100%)



- Cyan (34%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8320, 0.2469, 0.1920 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 33.8320, 0.2469, 0.1920 by changing the saturation by 10% instead.


 33.8320, 0.2469,
0.1920


 33.8320, 0.2469,
0.1920


319.3823, 0.2815,
0.2558

 22.7646, 0.2381,
0.1779

 65.6723, 0.2597,
0.2139

 14.4198, 0.2269,
0.1608

 87.2140, 0.2644,
0.2225

 8.4132, 0.2123,
0.1400


 113.0159, 0.2684,
0.2299

 4.3605, 0.1927,
0.1145

143.4624, 0.2718,
0.2364

 1.8772, 0.1656,
0.0835

178.9379, 0.2748,
0.2421

 0.5346, 0.1281,
0.0443

219.8268, 0.2773,

 0.0000, 0.0633,

0.2472

0.0000

266.5134, 0.2796,
0.2517

■ 0.0000, 0.0000,
0.0000

■ 33.8320, 0.2469,
0.1920

■ 33.8320, 0.2469,
0.1920

■ 25.4273, 0.2289,
0.1594

■ 44.2496, 0.2641,
0.2251

■ 18.9031, 0.2110,
0.1291

■ 56.8044, 0.2799,
0.2571

■ 14.1073, 0.1943,
0.1033

■ 71.6078, 0.2939,
0.2870

■ 10.8638, 0.1797,
0.0838

■ 88.7640, 0.3063,
0.3143

■ 8.9563, 0.1684,
0.0715

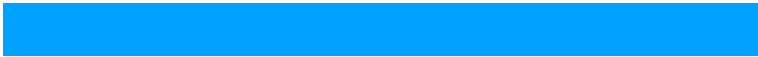
100.0000, 0.3127,
0.3290

■ 8.4346, 0.1646,
0.0680

Harmonies

Analogous

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



33.8320, 0.1818, 0.1835



33.8320, 0.2469, 0.1920



33.8320, 0.3437, 0.2259

Triad

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



33.8320, 0.2469, 0.1920



33.8320, 0.4992, 0.4147



33.8320, 0.1874, 0.3683

Complementary

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



33.8320, 0.2469, 0.1920



89.1991, 0.3594, 0.4510

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.



33.8320, 0.2601, 0.4782



33.8320, 0.2469, 0.1920



33.8320, 0.4396, 0.4823

Square

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



33.8320, 0.2469, 0.1920



33.8320, 0.5061, 0.3448



33.8320, 0.3525, 0.5191



33.8320, 0.1514, 0.2648

Rectangle

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



33.8320, 0.2469, 0.1920



33.8320, 0.4142, 0.2602



33.8320, 0.3525, 0.5191



33.8320, 0.2080, 0.4080

Sweetspot

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



33.8313, 0.2469, 0.1920



74.6590, 0.2964, 0.2923



66.8786, 0.2451, 0.2945



15.2341, 0.2936, 0.2862



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.



33.8313, 0.2469, 0.1920



26.0932, 0.2305, 0.1622



41.5230, 0.2929, 0.2081



17.6106, 0.3020, 0.3047



4.4687, 0.1659, 0.0688



0.4856, 0.1771, 0.0749

Inverse Universe

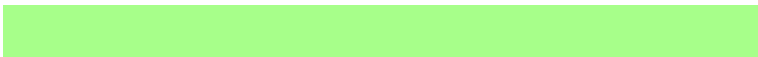
The Inverse Universe completely reimagines the original color for something new.



44.8157, 0.3459, 0.2430



38.5170, 0.3549, 0.2280



81.5969, 0.3224, 0.4669



18.2133, 0.3179, 0.3117



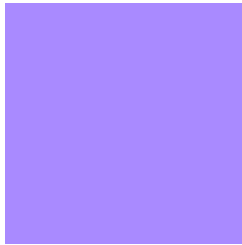
13.0185, 0.4019, 0.1988



1.2857, 0.3906, 0.1925

Previews

White Background



This preview shows how the Yxy color 33.8320, 0.2469, 0.1920 looks on a white background.

Color Contrast Check

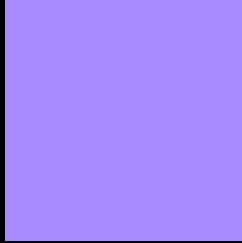
Large Text (above 18pt) WCAG AA × Fail

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 33.8320, 0.2469, 0.1920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

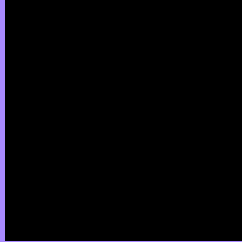
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8320, 0.2469, 0.1920

Background



This preview shows how black text looks on a background with the Yxy color 33.8320, 0.2469, 0.1920.



This preview shows how white text looks on a background with the Yxy color 33.8320, 0.2469, 0.1920.

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

33.8320, 0.2469, 0.1920

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.0220, 0.2130, 0.2060



Tritanopia

33.5955, 0.2956, 0.3097

Trichromacy



Original Color

33.8320, 0.2469, 0.1920

Protanomaly

33.6340, 0.2262, 0.1961

Deuteranomaly

33.4302, 0.2233, 0.1997

Tritanomaly

33.2988, 0.2763, 0.2588

Monochromacy



Original Color

33.8320, 0.2469, 0.1920

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 33.8320, 0.2469, 0.1920 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(169, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 138, 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(169, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 138, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8320, 0.2469, 0.1920 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(169, 138, 255) }
```

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

```
.border{ border-color:rgb(169, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 138,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8320, 0.2469, 0.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 138, 255) }
```

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

```
.background{ background-color: rgb(169,  
138, 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