

Converting Colors

$Y_{xy}(34.0598, 0.2217, 0.1931)$

Have a look what the booklet for
Yxy(34.0598, 0.2217, 0.1931)
contains.

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Color

Yxy(33.9382, 0.2243, 0.1978)

Conversions

Conversions Part 1

Format	Color
Hex	8496FF
RGB	132, 150, 255
RGB Percent	52%, 59%, 100%
CMY	0.4820, 0.4119, 0.0000
CMYK	0.48, 0.41, 0.00, 0.00
HSL	231°, 100%, 76%
HSV	231°, 48%, 100%
XYZ	38.4850, 33.9382, 99.1551
YIQ	156.5880, -44.4330, 28.8390

Conversions

Conversions Part 2

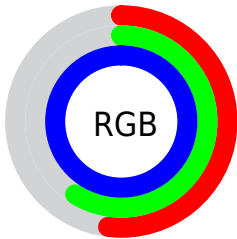
Format	Color
RYB	132, 148, 255
Decimal	8689407
CIELab	64.91, 21.14, -54.35
CIElCh	65, 58.317, 291.252
Yxy	33.9382, 0.2243, 0.1978
Android (android.graphics.Color)	4286879487 (0xFF8496FF)
YUV	156.5880, 48.5171, -21.5637
Hunter-Lab	58.2565, 15.9706, -60.1346

Details

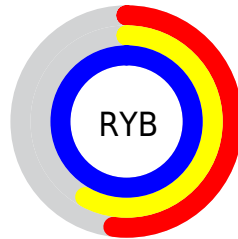
The Yxy color **33.9382, 0.2243, 0.1978** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.5594, 0.3918, 0.4323**, and the grayscale version is **33.3209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3529, 0.2700, 0.2721**, and **14.5693, 0.1995, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **25.8075, 0.2045, 0.1659**, and if you desaturate by 10%, it is **43.8624, 0.2446, 0.2293**.

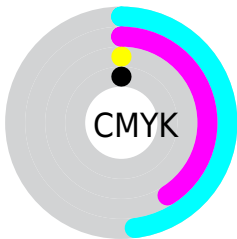
Distribution



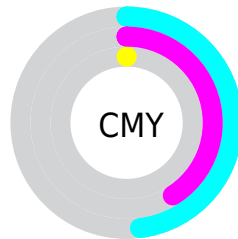
- Red (52%)
- Green (59%)
- Blue (100%)



- Red (52%)
- Yellow (58%)
- Blue (100%)



- Cyan (48%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9382, 0.2243, 0.1978 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 33.9382, 0.2243, 0.1978 by changing the saturation by 10% instead.


 33.9382, 0.2243,
0.1978


 33.9382, 0.2243,
0.1978


319.8564, 0.2692,
0.2602


 22.8461, 0.2134,
0.1837


 65.8376, 0.2405,
0.2194

 14.4799, 0.1997,
0.1666


 87.4136, 0.2466,
0.2279

 8.4552, 0.1822,
0.1455


 113.2531, 0.2518,
0.2351

 4.3876, 0.1593,
0.1194

143.7405, 0.2563,
0.2415

 1.8926, 0.1291,
0.0873

179.2601, 0.2601,
0.2470

 0.5440, 0.0899,
0.0467

220.1964, 0.2635,

 0.0000, 0.0000,

0.2519

0.0000

266.9337, 0.2665,
0.2563

■ 33.9382, 0.2243,
0.1978

■ 33.9382, 0.2243,
0.1978

■ 25.8075, 0.2045,
0.1659

■ 43.8624, 0.2446,
0.2293

■ 19.3637, 0.1864,
0.1355

■ 55.6823, 0.2643,
0.2592

■ 14.4848, 0.1713,
0.1085

■ 69.4893, 0.2829,
0.2865

■ 11.0328, 0.1602,
0.0868

■ 85.3698, 0.3000,
0.3111

■ 8.8379, 0.1536,
0.0718

100.0000, 0.3127,
0.3290

■ 8.5505, 0.1527,
0.0698

Harmonies

Analogous

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



33.9382, 0.1776, 0.2019



33.9382, 0.2243, 0.1978



33.9382, 0.3011, 0.2193

Triad

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



33.9382, 0.2243, 0.1978



33.9382, 0.4900, 0.3825



33.9382, 0.2259, 0.4087

Complementary

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



33.9382, 0.2243, 0.1978



83.5594, 0.3918, 0.4323

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.



33.9382, 0.3029, 0.4847



33.9382, 0.2243, 0.1978



33.9382, 0.4565, 0.4455

Square

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



33.9382, 0.2243, 0.1978



33.9382, 0.4685, 0.3192



33.9382, 0.3871, 0.4913



33.9382, 0.1768, 0.3092

Rectangle

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



33.9382, 0.2243, 0.1978



33.9382, 0.3633, 0.2459



33.9382, 0.3871, 0.4913



33.9382, 0.2493, 0.4400

Sweetspot

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



33.9374, 0.2243, 0.1978



75.9052, 0.2903, 0.2972



82.5212, 0.2569, 0.3503



15.5319, 0.2866, 0.2918



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.



33.9374, 0.2243, 0.1978



25.9548, 0.2049, 0.1666



32.8715, 0.2508, 0.1873



17.8042, 0.2979, 0.3080



4.5955, 0.1532, 0.0715



0.5688, 0.1578, 0.0881

Inverse Universe

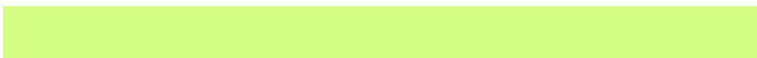
The Inverse Universe completely reimagines the original color for something new.



39.9867, 0.4275, 0.3108



33.3714, 0.4661, 0.3083



87.1823, 0.3541, 0.4603



18.0301, 0.3271, 0.3256



11.1919, 0.6207, 0.3193



1.1020, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 33.9382, 0.2243, 0.1978 looks on a white background.

Color Contrast Check

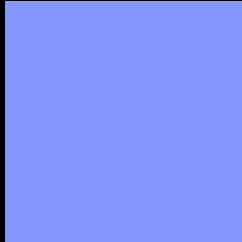
Large Text (above 18pt) WCAG AA × Fail

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 33.9382, 0.2243, 0.1978 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 33.9382, 0.2243, 0.1978

Background



This preview shows how black text looks on a background with the Yxy color 33.9382, 0.2243, 0.1978.



This preview shows how white text looks on a background with the Yxy color 33.9382, 0.2243, 0.1978.

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

33.9382, 0.2243, 0.1978

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.2549, 0.2107, 0.2049



Tritanopia

33.8827, 0.2563, 0.3069

Trichromacy



Original Color

33.9382, 0.2243, 0.1978

Protanomaly

34.1400, 0.2193, 0.1998

Deuteranomaly

34.0432, 0.2151, 0.2017

Tritanomaly

33.4982, 0.2433, 0.2604

Monochromacy



Original Color

33.9382, 0.2243, 0.1978

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.2574, 0.2743, 0.2731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9382, 0.2243, 0.1978 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(132, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 150, 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(132, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9382, 0.2243, 0.1978 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(132, 150, 255) }
```

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

```
.border{ border-color:rgb(132, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9382, 0.2243, 0.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 150, 255) }
```

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

```
.background{ background-color: rgb(132,  
150, 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](#).

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