

Converting Colors

$Y_{xy}(33.6374, 0.2244, 0.1966)$

Have a look what the booklet for
Yxy(33.6374, 0.2244, 0.1966)
contains.

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Color

Yxy(33.7014, 0.2246, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	8595FF
RGB	133, 149, 255
RGB Percent	52%, 58%, 100%
CMY	0.4787, 0.4156, 0.0000
CMYK	0.48, 0.42, 0.00, 0.00
HSL	232°, 100%, 76%
HSV	232°, 48%, 100%
XYZ	38.4621, 33.7014, 99.0835
YIQ	156.3000, -43.5620, 29.5740

Conversions

Conversions Part 2

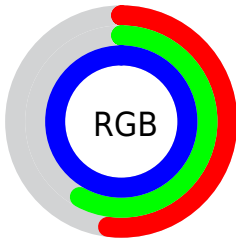
Format	Color
R_{YB}	133, 147, 255
Decimal	8754687
CIE _{Lab}	64.72, 21.88, -54.63
CIE _{LCh}	65, 58.847, 291.825
Yxy	33.7014, 0.2246, 0.1968
Android (android.graphics.Color)	4286944767 (0xFF8595FF)
YUV	156.3000, 48.6591, -20.4341
Hunter-Lab	58.0529, 16.6699, -60.5579

Details

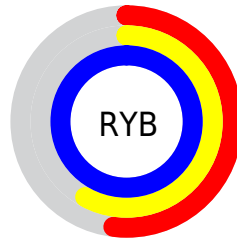
The Yxy color **33.7014, 0.2246, 0.1968** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.6356, 0.3905, 0.4331**, and the grayscale version is **33.1762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0082, 0.2705, 0.2711**, and **14.4174, 0.1998, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **25.5206, 0.2046, 0.1645**, and if you desaturate by 10%, it is **43.7198, 0.2450, 0.2287**.

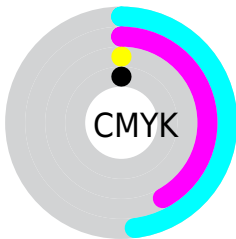
Distribution



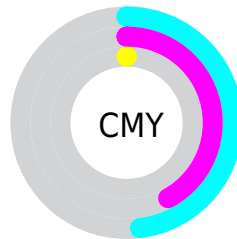
- Red (52%)
- Green (58%)
- Blue (100%)



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



- Cyan (48%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7014, 0.2246, 0.1968 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 33.7014, 0.2246, 0.1968 by changing the saturation by 10% instead.

 33.7014, 0.2246,
0.1968


 33.7014, 0.2246,
0.1968


318.7985, 0.2694,
0.2596


 22.6643, 0.2137,
0.1826


 65.4691, 0.2408,
0.2186

 14.3458, 0.2000,
0.1654


 86.9684, 0.2469,
0.2271

 8.3616, 0.1825,
0.1442


 112.7239, 0.2521,
0.2344

 4.3272, 0.1596,
0.1180

143.1201, 0.2565,
0.2408

 1.8582, 0.1293,
0.0860

178.5412, 0.2604,
0.2463

 0.5231, 0.0901,
0.0450

219.3718, 0.2638,

 0.0000, 0.0000,

0.2513

0.0000

265.9961, 0.2668,
0.2557

■ 33.7014, 0.2246,
0.1968

■ 33.7014, 0.2246,
0.1968

■ 25.5206, 0.2046,
0.1645

■ 43.7198, 0.2450,
0.2287

■ 19.0611, 0.1863,
0.1338

■ 55.6753, 0.2649,
0.2590

■ 14.1987, 0.1710,
0.1067

■ 69.6645, 0.2835,
0.2867

■ 10.7903, 0.1599,
0.0852

■ 85.7765, 0.3005,
0.3116

■ 8.6617, 0.1533,
0.0706

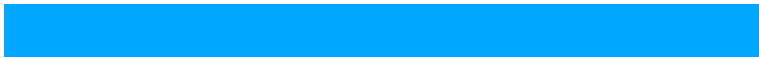
■ 99.9999, 0.3127,
0.3290

■ 8.3410, 0.1523,
0.0683

Harmonies

Analogous

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



33.7014, 0.1770, 0.2003



33.7014, 0.2246, 0.1968



33.7014, 0.3026, 0.2190

Triad

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



33.7014, 0.2246, 0.1968



33.7014, 0.4917, 0.3839



33.7014, 0.2237, 0.4077

Complementary

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



33.7014, 0.2246, 0.1968



84.6356, 0.3905, 0.4331

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.



33.7014, 0.3010, 0.4858



33.7014, 0.2246, 0.1968



33.7014, 0.4567, 0.4475

Square

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



33.7014, 0.2246, 0.1968



33.7014, 0.4712, 0.3201



33.7014, 0.3860, 0.4935



33.7014, 0.1748, 0.3071

Rectangle

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



33.7014, 0.2246, 0.1968



33.7014, 0.3656, 0.2460



33.7014, 0.3860, 0.4935



33.7014, 0.2471, 0.4397

Sweetspot

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



33.7026, 0.2246, 0.1968



75.6399, 0.2903, 0.2967



82.7161, 0.2563, 0.3477



15.4681, 0.2865, 0.2912



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.



33.7026, 0.2246, 0.1968



26.1605, 0.2063, 0.1673



33.4068, 0.2529, 0.1889



17.7634, 0.2979, 0.3077



4.4764, 0.1528, 0.0699



0.5497, 0.1571, 0.0855

Inverse Universe

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



40.1883, 0.4283, 0.3127



33.9162, 0.4645, 0.3105



86.9480, 0.3525, 0.4600



18.0260, 0.3274, 0.3259



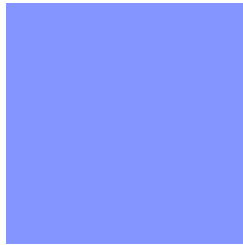
11.1799, 0.6234, 0.3208



1.1000, 0.5981, 0.3069

Previews

White Background



This preview shows how the Yxy color 33.7014, 0.2246, 0.1968 looks on a white background.

Color Contrast Check

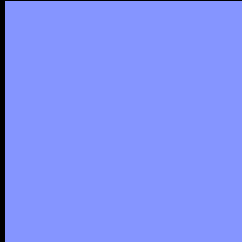
Large Text (above 18pt) WCAG AA × Fail

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 33.7014, 0.2246, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

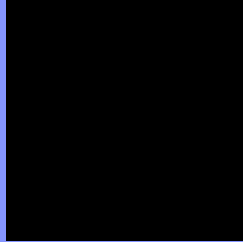
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7014, 0.2246, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 33.7014, 0.2246, 0.1968.



This preview shows how white text looks on a background with the Yxy color 33.7014, 0.2246, 0.1968.

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

33.7014, 0.2246, 0.1968

Protanopia

33.7155, 0.2161, 0.1989

Deuteranopia

33.8584, 0.2099, 0.2035



Tritanopia

33.8421, 0.2570, 0.3084

Trichromacy



Original Color

33.7014, 0.2246, 0.1968

Protanomaly

33.8140, 0.2191, 0.1986

Deuteranomaly

33.6465, 0.2143, 0.2003

Tritanomaly

33.4982, 0.2433, 0.2604

Monochromacy



Original Color

33.7014, 0.2246, 0.1968

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.8841, 0.2749, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7014, 0.2246, 0.1968 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(133, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 149, 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(133, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7014, 0.2246, 0.1968 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(133, 149, 255) }
```

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

```
.border{ border-color:rgb(133, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7014, 0.2246, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 149, 255) }
```

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

```
.background{ background-color: rgb(133,  
149, 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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