

Converting Colors

$Y_{xy}(34.0472, 0.2167, 0.1928)$

Have a look what the booklet for
Yxy(34.0472, 0.2167, 0.1928)
contains.

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Color

Yxy(33.5642, 0.2194, 0.1975)

Conversions

Conversions Part 1

Format	Color
Hex	7B97FF
RGB	123, 151, 255
RGB Percent	48%, 59%, 100%
CMY	0.5174, 0.4079, 0.0001
CMYK	0.52, 0.41, 0.00, 0.00
HSL	227°, 100%, 74%
HSV	227°, 52%, 100%
XYZ	37.2860, 33.5642, 99.0951
YIQ	154.4840, -50.0720, 26.4080

Conversions

Conversions Part 2

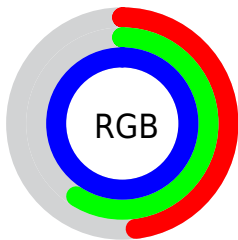
Format	Color
RYB	123, 146, 255
Decimal	8099839
CIELab	64.62, 18.54, -54.83
CIELCh	65, 57.877, 288.685
Yxy	33.5642, 0.2194, 0.1975
Android (android.graphics.Color)	4286289919 (0xFF7B97FF)
YUV	154.4840, 49.5544, -27.6115
Hunter-Lab	57.9346, 13.4948, -60.8592

Details

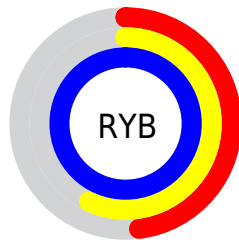
The Yxy color **33.5642, 0.2194, 0.1975** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **77.6378, 0.4019, 0.4317**, and the grayscale version is **32.3379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8277, 0.2651, 0.2725**, and **14.3452, 0.1935, 0.1661** is the 20% darker color. If you saturate the color by 10%, you get **25.9963, 0.2008, 0.1676**, and if you desaturate by 10%, it is **42.7265, 0.2389, 0.2271**.

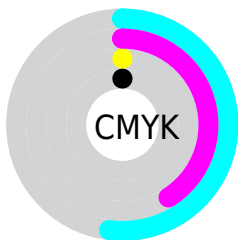
Distribution



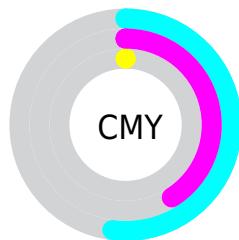
- Red (48%)
- Green (59%)
- Blue (100%)



- Red (48%)
- Yellow (57%)
- Blue (100%)



- Cyan (52%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5642, 0.2194, 0.1975 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 33.5642, 0.2194, 0.1975 by changing the saturation by 10% instead.


 33.5642, 0.2194,
0.1975


 33.5642, 0.2194,
0.1975


318.1844, 0.2666,
0.2603


 22.5590, 0.2080,
0.1833


 65.2554, 0.2364,
0.2193

 14.2682, 0.1937,
0.1659


 86.7102, 0.2428,
0.2278

 8.3075, 0.1756,
0.1446


 112.4169, 0.2483,
0.2351

 4.2923, 0.1520,
0.1182

142.7601, 0.2530,
0.2415

 1.8384, 0.1212,
0.0859

178.1240, 0.2570,
0.2471

 0.5109, 0.0819,
0.0444

218.8931, 0.2606,

 0.0000, 0.0000,

0.2520

0.0000

265.4518, 0.2638,
0.2563

■ 33.5642, 0.2194,
0.1975

■ 33.5642, 0.2194,
0.1975

■ 25.9963, 0.2008,
0.1676

■ 42.7265, 0.2389,
0.2271

■ 19.9246, 0.1841,
0.1390

■ 53.5663, 0.2582,
0.2553

■ 15.2447, 0.1704,
0.1134

■ 66.1650, 0.2768,
0.2813

■ 11.8357, 0.1606,
0.0923

■ 80.5975, 0.2942,
0.3048

■ 9.8575, 0.1553,
0.0791

■ 96.9343, 0.3101,
0.3256

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



33.5642, 0.1755, 0.2040



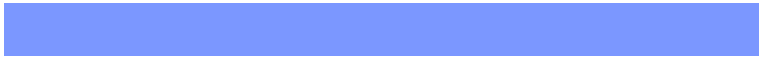
33.5642, 0.2194, 0.1975



33.5642, 0.2936, 0.2169

Triad

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



33.5642, 0.2194, 0.1975



33.5642, 0.4899, 0.3769



33.5642, 0.2320, 0.4167

Complementary

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



33.5642, 0.2194, 0.1975



77.6378, 0.4019, 0.4317

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.



33.5642, 0.3103, 0.4874



33.5642, 0.2194, 0.1975



33.5642, 0.4607, 0.4401

Square

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



33.5642, 0.2194, 0.1975



33.5642, 0.4633, 0.3141



33.5642, 0.3937, 0.4883



33.5642, 0.1801, 0.3171

Rectangle

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



33.5642, 0.2194, 0.1975



33.5642, 0.3550, 0.2423



33.5642, 0.3937, 0.4883



33.5642, 0.2560, 0.4467

Sweetspot

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



33.5653, 0.2194, 0.1975



74.2377, 0.2870, 0.2951



81.2281, 0.2578, 0.3629



15.2563, 0.2834, 0.2903



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.



33.5653, 0.2194, 0.1975



25.8254, 0.2003, 0.1668



28.9151, 0.2383, 0.1735



18.0012, 0.2979, 0.3097



5.3250, 0.1559, 0.0814



0.6682, 0.1614, 0.1009

Inverse Universe

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



37.6677, 0.4303, 0.3007



31.4131, 0.4690, 0.2972



87.7751, 0.3623, 0.4669



18.0500, 0.3261, 0.3240



11.2655, 0.6048, 0.3105



1.1120, 0.5745, 0.2939

Previews

White Background



This preview shows how the Yxy color 33.5642, 0.2194, 0.1975 looks on a white background.

Color Contrast Check

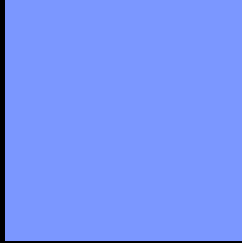
Large Text (above 18pt) WCAG AA × Fail

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 33.5642, 0.2194, 0.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

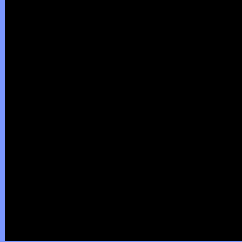
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5642, 0.2194, 0.1975

Background



This preview shows how black text looks on a background with the Yxy color 33.5642, 0.2194, 0.1975.



This preview shows how white text looks on a background with the Yxy color 33.5642, 0.2194, 0.1975.

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

33.5642, 0.2194, 0.1975

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.8111, 0.2087, 0.2023



Tritanopia

33.5294, 0.2489, 0.3080

Trichromacy



Original Color

33.5642, 0.2194, 0.1975

Protanomaly

33.5280, 0.2169, 0.1979

Deuteranomaly

33.6626, 0.2121, 0.2008

Tritanomaly

33.1205, 0.2367, 0.2607

Monochromacy



Original Color

33.5642, 0.2194, 0.1975

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3837, 0.2714, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5642, 0.2194, 0.1975 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(123, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 151, 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(123, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.5642, 0.2194, 0.1975 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(123, 151, 255) }
```

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

```
.border{ border-color:rgb(123, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5642, 0.2194, 0.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 151, 255) }
```

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

```
.background{ background-color: rgb(123,  
151, 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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