

Converting Colors

$Y_{xy}(34.1292, 0.2228, 0.1990)$

Have a look what the booklet for
Yxy(34.1292, 0.2228, 0.1990)
contains.

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Color

Yxy(34.0203, 0.2228, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	8197FF
RGB	129, 151, 255
RGB Percent	51%, 59%, 100%
CMY	0.4937, 0.4080, 0.0000
CMYK	0.49, 0.41, 0.00, 0.00
HSL	230°, 100%, 75%
HSV	230°, 49%, 100%
XYZ	38.1850, 34.0203, 99.1816
YIQ	156.2780, -46.4960, 27.6800

Conversions

Conversions Part 2

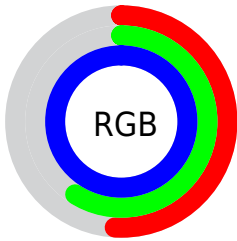
Format	Color
RYB	129, 148, 255
Decimal	8493055
CIELab	64.98, 19.89, -54.26
CIELCh	65, 57.788, 290.136
Yxy	34.0203, 0.2228, 0.1985
Android (android.graphics.Color)	4286683135 (0xFF8197FF)
YUV	156.2780, 48.6699, -23.9228
Hunter-Lab	58.3269, 14.7868, -59.9904

Details

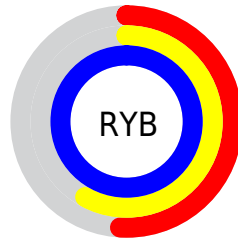
The Yxy color **34.0203, 0.2228, 0.1985** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.2064, 0.3954, 0.4316**, and the grayscale version is **33.1780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5740, 0.2688, 0.2731**, and **14.6135, 0.1976, 0.1676** is the 20% darker color. If you saturate the color by 10%, you get **26.0783, 0.2034, 0.1675**, and if you desaturate by 10%, it is **43.6720, 0.2428, 0.2292**.

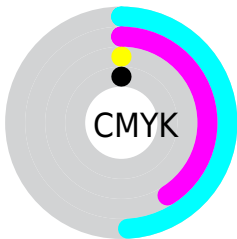
Distribution



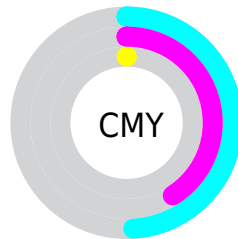
- Red (51%)
- Green (59%)
- Blue (100%)



- Red (51%)
- Yellow (58%)
- Blue (100%)



- Cyan (49%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0203, 0.2228, 0.1985 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 34.0203, 0.2228, 0.1985 by changing the saturation by 10% instead.


 34.0203, 0.2228,
0.1985


 34.0203, 0.2228,
0.1985


320.2226, 0.2683,
0.2606


 22.9092, 0.2118,
0.1844


 65.9652, 0.2392,
0.2201

 14.5265, 0.1979,
0.1673


 87.5679, 0.2454,
0.2285

 8.4877, 0.1803,
0.1462


 113.4364, 0.2507,
0.2357

 4.4086, 0.1572,
0.1201

143.9554, 0.2552,
0.2420

 1.9046, 0.1269,
0.0880

179.5091, 0.2592,
0.2475

 0.5512, 0.0877,
0.0474

220.4819, 0.2626,

 0.0000, 0.0000,

0.2524

0.0000

267.2583, 0.2656,
0.2567

■ 34.0203, 0.2228,
0.1985

■ 34.0203, 0.2228,
0.1985

■ 26.0783, 0.2034,
0.1675

■ 43.6720, 0.2428,
0.2292

■ 19.7447, 0.1858,
0.1377

■ 55.1281, 0.2624,
0.2583

■ 14.9055, 0.1712,
0.1111

■ 68.4750, 0.2809,
0.2850

■ 11.4311, 0.1605,
0.0895

■ 83.7939, 0.2981,
0.3090

■ 9.1540, 0.1540,
0.0741

100.0000, 0.3127,
0.3290

■ 9.0420, 0.1537,
0.0733

Harmonies

Analogous

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



34.0203, 0.1776, 0.2037



34.0203, 0.2228, 0.1985



34.0203, 0.2980, 0.2190

Triad

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



34.0203, 0.2228, 0.1985



34.0203, 0.4887, 0.3799



34.0203, 0.2292, 0.4115

Complementary

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



34.0203, 0.2228, 0.1985



81.2064, 0.3954, 0.4316

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.



34.0203, 0.3063, 0.4845



34.0203, 0.2228, 0.1985



34.0203, 0.4574, 0.4425

Square

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



34.0203, 0.2228, 0.1985



34.0203, 0.4650, 0.3172



34.0203, 0.3896, 0.4888



34.0203, 0.1791, 0.3129

Rectangle

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



34.0203, 0.2228, 0.1985



34.0203, 0.3593, 0.2449



34.0203, 0.3896, 0.4888



34.0203, 0.2528, 0.4419

Sweetspot

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



34.0199, 0.2228, 0.1985



74.9182, 0.2886, 0.2959



82.0177, 0.2578, 0.3560



15.3597, 0.2849, 0.2907



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.



34.0199, 0.2228, 0.1985



26.3409, 0.2041, 0.1686



31.3829, 0.2456, 0.1824



17.8874, 0.2979, 0.3087



4.8718, 0.1543, 0.0753



0.6083, 0.1592, 0.0932

Inverse Universe

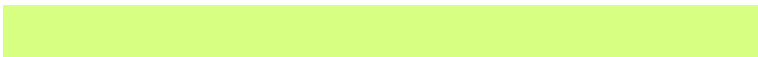
The Inverse Universe completely reimagines the original color for something new.



39.2238, 0.4277, 0.3068



32.9016, 0.4647, 0.3039



87.5756, 0.3577, 0.4621



18.0385, 0.3267, 0.3249



11.2198, 0.6146, 0.3159



1.1059, 0.5861, 0.3003

Previews

White Background



This preview shows how the Yxy color 34.0203, 0.2228, 0.1985 looks on a white background.

Color Contrast Check

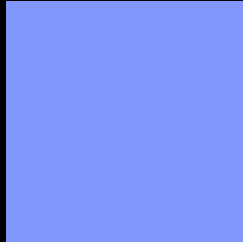
Large Text (above 18pt) WCAG AA × Fail

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 34.0203, 0.2228, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

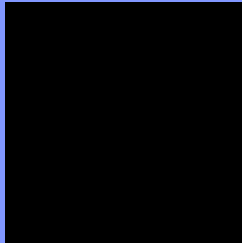
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0203, 0.2228, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 34.0203, 0.2228, 0.1985.



This preview shows how white text looks on a background with the Yxy color 34.0203, 0.2228, 0.1985.

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

34.0203, 0.2228, 0.1985

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.2549, 0.2107, 0.2049



Tritanopia

33.9969, 0.2539, 0.3083

Trichromacy



Original Color

34.0203, 0.2228, 0.1985

Protanomaly

34.0674, 0.2188, 0.1997

Deuteranomaly

33.9780, 0.2146, 0.2016

Tritanomaly

33.5721, 0.2410, 0.2615

Monochromacy



Original Color

34.0203, 0.2228, 0.1985

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0280, 0.2733, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0203, 0.2228, 0.1985 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(129, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.0203, 0.2228, 0.1985 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(129, 151, 255) }
```

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

```
.border{ border-color:rgb(129, 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(129, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0203, 0.2228, 0.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 151, 255) }
```

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

```
.background{ background-color: rgb(129,  
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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