

Converting Colors

$Y_{xy}(33.1990, 0.1934, 0.2020)$

Have a look what the booklet for
Yxy(33.1990, 0.1934, 0.2020)
contains.

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Color

Yxy(33.2233, 0.1934, 0.2021)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 2BA1FF |
| RGB | 43, 161, 255 |
| RGB Percent | 17%, 63%, 100% |
| CMY | 0.8316, 0.3686, 0.0000 |
| CMYK | 0.83, 0.37, 0.00, 0.00 |
| HSL | 207°, 100%, 58% |
| HSV | 207°, 83%, 100% |
| XYZ | 31.7931, 33.2233, 99.3740 |
| YIQ | 136.4340, -100.5020, 4.2180 |

Conversions

Conversions Part 2

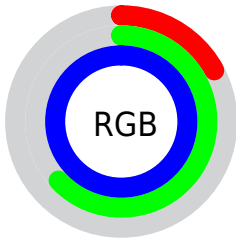
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 43, 119, 255 |
| Decimal | 2859519 |
| CIE Lab | 64.34, 0.79, -55.48 |
| CIE LCh | 64, 55.486, 270.811 |
| Yxy | 33.2233, 0.1934, 0.2021 |
| Android (android.graphics.Color) | 4281049599 (0xFF2BA1FF) |
| YUV | 136.4340, 58.4530, -81.9416 |
| Hunter-Lab | 57.6397, -2.4117, -61.8715 |

Details

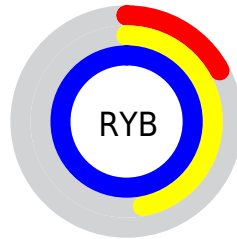
The Yxy color **33.2233, 0.1934, 0.2021** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **39.3092, 0.5211, 0.4047**, and the grayscale version is **24.5898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1060, 0.2364, 0.2805**, and **15.2291, 0.1822, 0.1760** is the 20% darker color. If you saturate the color by 10%, you get **29.0592, 0.1858, 0.1852**, and if you desaturate by 10%, it is **38.0856, 0.2034, 0.2196**.

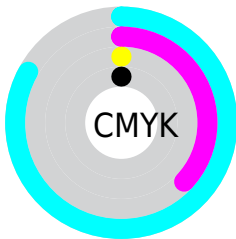
Distribution



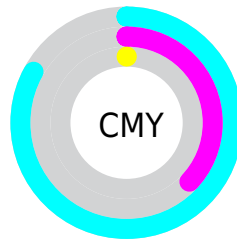
- Red (17%)
- Green (63%)
- Blue (100%)



- Red (17%)
- Yellow (47%)
- Blue (100%)



- Cyan (83%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2233, 0.1934, 0.2021 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 33.2233, 0.1934, 0.2021 by changing the saturation by 10% instead.


 33.2233, 0.1934,
0.2021


 33.2233, 0.1934,
0.2021


316.6547, 0.2520,
0.2643


 22.2976, 0.1798,
0.1877


 64.7240, 0.2141,
0.2240


 14.0757, 0.1630,
0.1700


 86.0677, 0.2221,
0.2325


 8.1733, 0.1422,
0.1480


 111.6530, 0.2289,
0.2397

 4.2061, 0.1162,
0.1206

 141.8640, 0.2348,
0.2460

 1.7895, 0.0842,
0.0870

 177.0853, 0.2399,
0.2515

 0.4806, 0.0430,
0.0434

217.7013, 0.2445,

 0.0000, 0.0000,

0.2563

0.0000

264.0963, 0.2485,
0.2605

■ 33.2233, 0.1934,
0.2021

■ 33.2233, 0.1934,
0.2021

■ 29.0592, 0.1858,
0.1852

■ 38.0856, 0.2034,
0.2196

■ 26.5553, 0.1817,
0.1741

■ 43.7146, 0.2154,
0.2371

■ 50.1636, 0.2292,
0.2543

■ 57.4804, 0.2442,
0.2708

■ 65.7086, 0.2600,
0.2863

■ 74.8880, 0.2761,
0.3006

■ 85.0556, 0.2921,
0.3137

■ 96.2463, 0.3079,
0.3255

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.2233, 0.1684, 0.2262



33.2233, 0.1934, 0.2021



33.2233, 0.2484, 0.2063

Triad

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



33.2233, 0.1934, 0.2021



33.2233, 0.4750, 0.3394



33.2233, 0.2784, 0.4604

Complementary

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



33.2233, 0.1934, 0.2021



39.3092, 0.5211, 0.4047

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.



33.2233, 0.3599, 0.4896



33.2233, 0.1934, 0.2021



33.2233, 0.4783, 0.4015

Square

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



33.2233, 0.1934, 0.2021



33.2233, 0.4176, 0.2813



33.2233, 0.4333, 0.4590



33.2233, 0.2108, 0.3745

Rectangle

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



33.2233, 0.1934, 0.2021



33.2233, 0.3006, 0.2226



33.2233, 0.4333, 0.4590



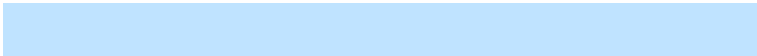
33.2233, 0.3052, 0.4780

Sweetspot

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



33.2221, 0.1934, 0.2021



73.1254, 0.2731, 0.2981



73.7770, 0.2744, 0.4924



14.9514, 0.2674, 0.2931



0.0000, 0.0000, 0.0000



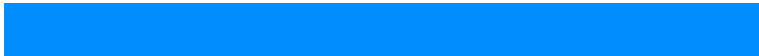
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2221, 0.1934, 0.2021



26.5553, 0.1817, 0.1741



10.6666, 0.1618, 0.0841



19.0551, 0.2979, 0.3182



14.1784, 0.1824, 0.1768



1.5985, 0.1877, 0.1956

Inverse Universe

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



25.5568, 0.4405, 0.2319



23.2119, 0.4757, 0.2394



84.2634, 0.4248, 0.4898



18.1564, 0.3207, 0.3158



12.1593, 0.4724, 0.2376



1.2059, 0.4503, 0.2254

Previews

White Background



This preview shows how the Yxy color 33.2233, 0.1934, 0.2021 looks on a white background.

Color Contrast Check

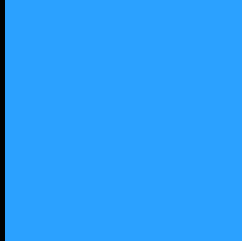
Large Text (above 18pt) WCAG AA × Fail

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 33.2233, 0.1934, 0.2021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

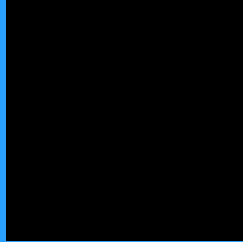
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

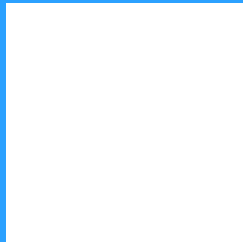
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2233, 0.1934, 0.2021

Background



This preview shows how black text looks on a background with the Yxy color 33.2233, 0.1934, 0.2021.



This preview shows how white text looks on a background with the Yxy color 33.2233, 0.1934, 0.2021.

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

33.2233, 0.1934, 0.2021

Protanopia

33.0938, 0.2210, 0.2053

Deuteranopia

33.1706, 0.2051, 0.1992



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.2233, 0.1934, 0.2021

Protanomaly

32.5690, 0.2070, 0.2025

Deuteranomaly

33.0902, 0.1997, 0.2001

Tritanomaly

32.7686, 0.2075, 0.2631

Monochromacy



Original Color

33.2233, 0.1934, 0.2021

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.3303, 0.2459, 0.2727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2233, 0.1934, 0.2021 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(43, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 161, 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(43, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.2233, 0.1934, 0.2021 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(43, 161, 255) }
```

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

```
.border{ border-color:rgb(43, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2233, 0.1934, 0.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 161, 255) }
```

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

```
.background{ background-color: rgb(43, 161,  
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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