

Converting Colors

$Yxy(33.3537, 0.1970, 0.2019)$

Have a look what the booklet for
Yxy(33.3537, 0.1970, 0.2019)
contains.

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Color

Yxy(33.3537, 0.1970, 0.2019)

Conversions

Conversions Part 1

Format	Color
Hex	3DA0FF
RGB	61, 160, 255
RGB Percent	24%, 63%, 100%
CMY	0.7604, 0.3725, 0.0001
CMYK	0.76, 0.37, 0.00, 0.00
HSL	209°, 100%, 62%
HSV	209°, 76%, 100%
XYZ	32.5442, 33.3537, 99.3012
YIQ	141.2290, -89.4990, 8.5570

Conversions

Conversions Part 2

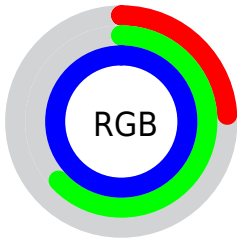
Format	Color
R _{YB}	61, 127, 255
Decimal	4038911
CIE Lab	64.45, 3.05, -55.25
CIE LCh	64, 55.336, 273.155
Yxy	33.3537, 0.1970, 0.2019
Android (android.graphics.Color)	4282228991 (0xFF3DA0FF)
YUV	141.2290, 56.0891, -70.3608
Hunter-Lab	57.7527, -0.4806, -61.5177

Details

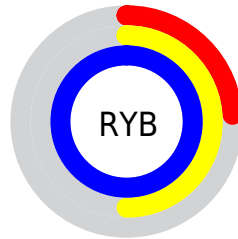
The Yxy color **33.3537, 0.1970, 0.2019** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **45.3869, 0.4920, 0.4137**, and the grayscale version is **26.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2997, 0.2401, 0.2797**, and **15.0145, 0.1817, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **28.6127, 0.1871, 0.1829**, and if you desaturate by 10%, it is **38.9161, 0.2092, 0.2213**.

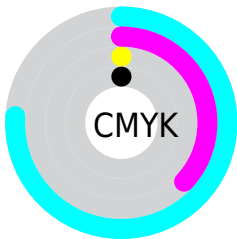
Distribution



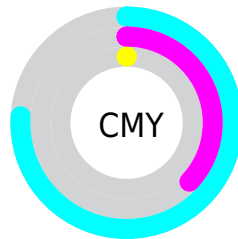
- Red (24%)
- Green (63%)
- Blue (100%)



- Red (24%)
- Yellow (50%)
- Blue (100%)



- Cyan (76%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3537, 0.1970, 0.2019 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 33.3537, 0.1970, 0.2019 by changing the saturation by 10% instead.


 33.3537, 0.1970,
0.2019


 33.3537, 0.1970,
0.2019


317.2405, 0.2540,
0.2640

 22.3975, 0.1837,
0.1875


 64.9273, 0.2172,
0.2237

 14.1493, 0.1672,
0.1699


 86.3136, 0.2249,
0.2322

 8.2246, 0.1468,
0.1481


 111.9454, 0.2316,
0.2394

 4.2390, 0.1211,
0.1209

 142.2071, 0.2373,
0.2457

 1.8081, 0.0891,
0.0875

177.4830, 0.2423,
0.2511

 0.4922, 0.0487,
0.0442

218.1576, 0.2467,

 0.0000, 0.0000,

0.2559

0.0000

264.6153, 0.2506,
0.2602

■ 33.3537, 0.1970,
0.2019

■ 33.3537, 0.1970,
0.2019

■ 28.6127, 0.1871,
0.1829

■ 38.9161, 0.2092,
0.2213

■ 24.6174, 0.1797,
0.1648

■ 45.3571, 0.2232,
0.2406

■ 23.2038, 0.1772,
0.1579

■ 52.7305, 0.2385,
0.2592

■ 61.0841, 0.2547,
0.2768

■ 70.4615, 0.2711,
0.2931

■ 80.9034, 0.2874,
0.3081

■ 92.4478, 0.3034,
0.3216

■ 99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



33.3537, 0.1697, 0.2235



33.3537, 0.1970, 0.2019



33.3537, 0.2542, 0.2081

Triad

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



33.3537, 0.1970, 0.2019



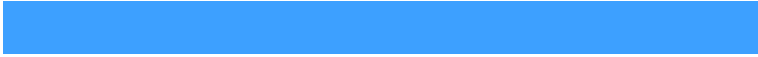
33.3537, 0.4766, 0.3442



33.3537, 0.2726, 0.4546

Complementary

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



33.3537, 0.1970, 0.2019



45.3869, 0.4920, 0.4137

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.



33.3537, 0.3535, 0.4892



33.3537, 0.1970, 0.2019



33.3537, 0.4757, 0.4062

Square

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



33.3537, 0.1970, 0.2019



33.3537, 0.4232, 0.2857



33.3537, 0.4280, 0.4624



33.3537, 0.2071, 0.3667

Rectangle

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



33.3537, 0.1970, 0.2019



33.3537, 0.3073, 0.2255



33.3537, 0.4280, 0.4624



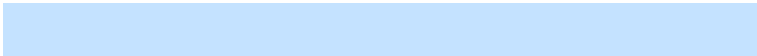
33.3537, 0.2989, 0.4739

Sweetspot

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



33.3548, 0.1970, 0.2019



73.5434, 0.2761, 0.2978



74.8532, 0.2698, 0.4635



14.9651, 0.2702, 0.2922



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.



33.3548, 0.1970, 0.2019



26.5507, 0.1831, 0.1738



11.9159, 0.1686, 0.0920



18.9100, 0.2979, 0.3171



12.4279, 0.1780, 0.1608



1.4288, 0.1836, 0.1811

Inverse Universe

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



27.1388, 0.4386, 0.2417



23.8039, 0.4749, 0.2437



91.0460, 0.4133, 0.4900



18.1418, 0.3214, 0.3169



11.9826, 0.4921, 0.2485



1.1888, 0.4673, 0.2348

Previews

White Background



This preview shows how the Yxy color 33.3537, 0.1970, 0.2019 looks on a white background.

Color Contrast Check

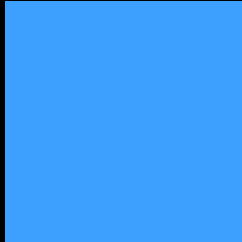
Large Text (above 18pt) WCAG AA × Fail

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 33.3537, 0.1970, 0.2019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

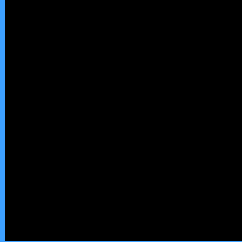
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

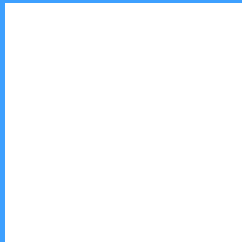
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3537, 0.1970, 0.2019

Background



This preview shows how black text looks on a background with the Yxy color 33.3537, 0.1970, 0.2019.



This preview shows how white text looks on a background with the Yxy color 33.3537, 0.1970, 0.2019.

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

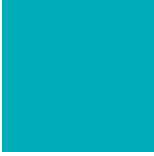
33.3537, 0.1970, 0.2019

Protanopia

33.0853, 0.2200, 0.2042

Deuteranopia

33.2211, 0.2055, 0.1993



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.3537, 0.1970, 0.2019

Protanomaly

32.9491, 0.2092, 0.2023

Deuteranomaly

33.0394, 0.2017, 0.1994

Tritanomaly

32.8790, 0.2078, 0.2618

Monochromacy



Original Color

33.3537, 0.1970, 0.2019

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0020, 0.2521, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3537, 0.1970, 0.2019 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(61, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 160, 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(61, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.3537, 0.1970, 0.2019 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(61, 160, 255) }
```

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

```
.border{ border-color:rgb(61, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3537, 0.1970, 0.2019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 160, 255) }
```

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

```
.background{ background-color: rgb(61, 160,  
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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