

Converting Colors

$Y_{xy}(33.3767, 0.2118, 0.1985)$

Have a look what the booklet for
Yxy(33.3767, 0.2118, 0.1985)
contains.

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Color

Yxy(33.4570, 0.2119, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	6B9AFF
RGB	107, 154, 255
RGB Percent	42%, 60%, 100%
CMY	0.5806, 0.3960, 0.0000
CMYK	0.58, 0.40, 0.00, 0.00
HSL	221°, 100%, 71%
HSV	221°, 58%, 100%
XYZ	35.6617, 33.4570, 99.1761
YIQ	151.4610, -60.4330, 21.4470

Conversions

Conversions Part 2

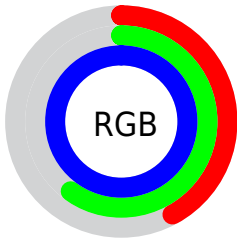
Format	Color
RYB	107, 143, 255
Decimal	7052031
CIELab	64.53, 13.52, -55.03
CIElCh	65, 56.663, 283.802
Yxy	33.4570, 0.2119, 0.1988
Android (android.graphics.Color)	4285242111 (0xFF6B9AFF)
YUV	151.4610, 51.0447, -38.9923
Hunter-Lab	57.8420, 8.8280, -61.1694

Details

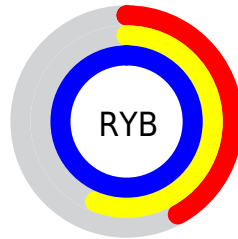
The Yxy color **33.4570, 0.2119, 0.1988** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.3885, 0.4225, 0.4287**, and the grayscale version is **30.9474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6566, 0.2571, 0.2748**, and **14.3179, 0.1849, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **26.7732, 0.1956, 0.1724**, and if you desaturate by 10%, it is **41.4404, 0.2296, 0.2251**.

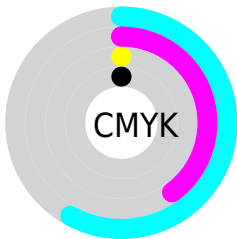
Distribution



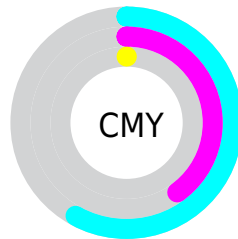
- Red (42%)
- Green (60%)
- Blue (100%)



- Red (42%)
- Yellow (56%)
- Blue (100%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4570, 0.2119, 0.1988 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 33.4570, 0.2119, 0.1988 by changing the saturation by 10% instead.


 33.4570, 0.2119,
0.1988


 33.4570, 0.2119,
0.1988


317.7040, 0.2624,
0.2614


 22.4768, 0.1998,
0.1845


 65.0884, 0.2300,
0.2206

 14.2076, 0.1848,
0.1671


 86.5083, 0.2369,
0.2291

 8.2652, 0.1658,
0.1456


 112.1769, 0.2427,
0.2364

 4.2651, 0.1414,
0.1189

142.4786, 0.2478,
0.2428

 1.8229, 0.1099,
0.0863

177.7977, 0.2522,
0.2483

 0.5014, 0.0709,
0.0441

218.5188, 0.2560,

 0.0000, 0.0000,

0.2532

0.0000

265.0260, 0.2594,
0.2575

■ 33.4570, 0.2119,
0.1988

■ 33.4570, 0.2119,
0.1988

■ 26.7732, 0.1956,
0.1724

■ 41.4404, 0.2296,
0.2251

■ 21.3079, 0.1815,
0.1470

■ 50.7909, 0.2479,
0.2504

■ 16.9740, 0.1704,
0.1239

■ 61.5744, 0.2661,
0.2740

■ 13.6623, 0.1626,
0.1042

■ 73.8517, 0.2837,
0.2956

■ 13.1158, 0.1613,
0.1008

■ 87.6796, 0.3002,
0.3150

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



33.4570, 0.1735, 0.2100



33.4570, 0.2119, 0.1988



33.4570, 0.2804, 0.2140

Triad

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



33.4570, 0.2119, 0.1988



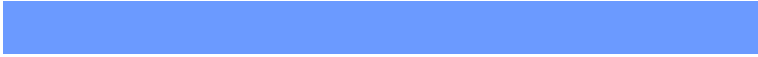
33.4570, 0.4863, 0.3663



33.4570, 0.2448, 0.4296

Complementary

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



33.4570, 0.2119, 0.1988



67.3885, 0.4225, 0.4287

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.



33.4570, 0.3243, 0.4889



33.4570, 0.2119, 0.1988



33.4570, 0.4660, 0.4290

Square

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



33.4570, 0.2119, 0.1988



33.4570, 0.4508, 0.3050



33.4570, 0.4050, 0.4800



33.4570, 0.1884, 0.3328

Rectangle

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



33.4570, 0.2119, 0.1988



33.4570, 0.3392, 0.2369



33.4570, 0.4050, 0.4800



33.4570, 0.2697, 0.4564

Sweetspot

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



33.4581, 0.2119, 0.1988



75.2504, 0.2855, 0.2978



79.0740, 0.2611, 0.3903



15.5454, 0.2820, 0.2936



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.



33.4581, 0.2119, 0.1988



25.6227, 0.1926, 0.1673



22.5973, 0.2147, 0.1481



18.3204, 0.2979, 0.3123



7.0900, 0.1621, 0.1037



0.8772, 0.1683, 0.1258

Inverse Universe

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



34.0949, 0.4331, 0.2822



28.1986, 0.4740, 0.2778



89.4485, 0.3784, 0.4758



18.0822, 0.3244, 0.3215



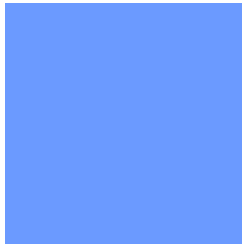
11.4437, 0.5704, 0.2916



1.1331, 0.5384, 0.2740

Previews

White Background



This preview shows how the Yxy color 33.4570, 0.2119, 0.1988 looks on a white background.

Color Contrast Check

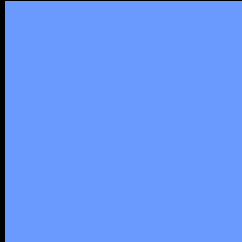
Large Text (above 18pt) WCAG AA × Fail

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 33.4570, 0.2119, 0.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

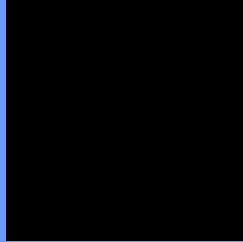
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

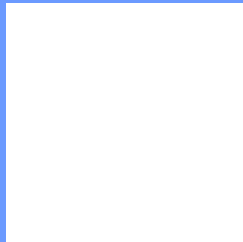
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4570, 0.2119, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 33.4570, 0.2119, 0.1988.



This preview shows how white text looks on a background with the Yxy color 33.4570, 0.2119, 0.1988.

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

33.4570, 0.2119, 0.1988

Protanopia

33.3252, 0.2163, 0.1984

Deuteranopia

33.3124, 0.2071, 0.2006



Tritanopia

33.3726, 0.2365, 0.3060

Trichromacy



Original Color

33.4570, 0.2119, 0.1988

Protanomaly

33.4489, 0.2150, 0.1993

Deuteranomaly

33.2511, 0.2089, 0.1999

Tritanomaly

33.2291, 0.2264, 0.2611

Monochromacy



Original Color

33.4570, 0.2119, 0.1988

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.2815, 0.2661, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4570, 0.2119, 0.1988 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(107, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 154, 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(107, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4570, 0.2119, 0.1988 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(107, 154, 255) }
```

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

```
.border{ border-color:rgb(107, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4570, 0.2119, 0.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 154, 255) }
```

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

```
.background{ background-color: rgb(107,  
154, 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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