

Converting Colors

$Y_{xy}(33.4252, 0.2008, 0.2013)$

Have a look what the booklet for
Yxy(33.4252, 0.2008, 0.2013)
contains.

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Color

Yxy(33.5528, 0.2010, 0.2018)

Conversions

Conversions Part 1

Format	Color
Hex	4C9FFF
RGB	76, 159, 255
RGB Percent	30%, 62%, 100%
CMY	0.7022, 0.3764, 0.0001
CMYK	0.70, 0.38, 0.00, 0.00
HSL	212°, 100%, 65%
HSV	212°, 70%, 100%
XYZ	33.4198, 33.5528, 99.2950
YIQ	145.1270, -80.2840, 12.2600

Conversions

Conversions Part 2

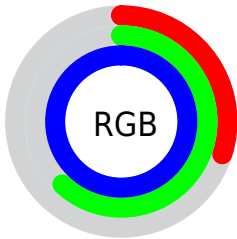
Format	Color
RYB	76, 133, 255
Decimal	5021695
CIELab	64.61, 5.47, -54.97
CIELCh	65, 55.243, 275.678
Yxy	33.5528, 0.2010, 0.2018
Android (android.graphics.Color)	4283211775 (0xFF4C9FFF)
YUV	145.1270, 54.1674, -60.6244
Hunter-Lab	57.9248, 1.6175, -61.0879

Details

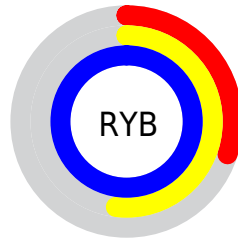
The Yxy color **33.5528, 0.2010, 0.2018** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **51.2357, 0.4686, 0.4193**, and the grayscale version is **28.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6481, 0.2447, 0.2791**, and **14.8023, 0.1813, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **28.2659, 0.1891, 0.1808**, and if you desaturate by 10%, it is **39.7748, 0.2150, 0.2230**.

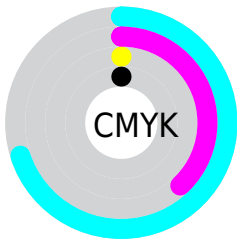
Distribution



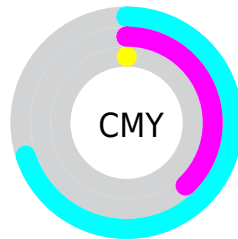
- Red (30%)
- Green (62%)
- Blue (100%)



- Red (30%)
- Yellow (52%)
- Blue (100%)



- Cyan (70%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5528, 0.2010, 0.2018 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 33.5528, 0.2010, 0.2018 by changing the saturation by 10% instead.


 33.5528, 0.2010,
0.2018

 33.5528, 0.2010,
0.2018


318.1334, 0.2563,
0.2637

 22.5503, 0.1880,
0.1875


 65.2376, 0.2206,
0.2235


 14.2618, 0.1720,
0.1700


 86.6887, 0.2281,
0.2319

 8.3030, 0.1519,
0.1484


 112.3914, 0.2345,
0.2391

 4.2894, 0.1265,
0.1214

 142.7302, 0.2401,
0.2454

 1.8367, 0.0947,
0.0882

178.0894, 0.2449,
0.2508

 0.5099, 0.0551,
0.0455

218.8533, 0.2492,

 0.0000, 0.0000,

0.2556

0.0000

265.4066, 0.2529,
0.2599

■ 33.5528, 0.2010,
0.2018

■ 33.5528, 0.2010,
0.2018

■ 28.2659, 0.1891,
0.1808

■ 39.7748, 0.2150,
0.2230

■ 23.8419, 0.1798,
0.1608

■ 46.9883, 0.2305,
0.2438

■ 20.2508, 0.1730,
0.1426

■ 55.2479, 0.2469,
0.2637

■ 64.6026, 0.2637,
0.2823

■ 75.0976, 0.2805,
0.2994

■ 86.7752, 0.2968,
0.3149

99.6756, 0.3124,
0.3287

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



33.5528, 0.1713, 0.2208



33.5528, 0.2010, 0.2018



33.5528, 0.2605, 0.2100

Triad

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



33.5528, 0.2010, 0.2018



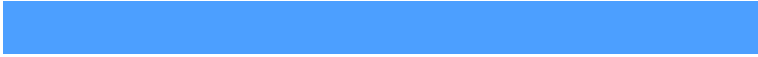
33.5528, 0.4781, 0.3494



33.5528, 0.2664, 0.4482

Complementary

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



33.5528, 0.2010, 0.2018



51.2357, 0.4686, 0.4193

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.



33.5528, 0.3466, 0.4883



33.5528, 0.2010, 0.2018



33.5528, 0.4727, 0.4112

Square

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



33.5528, 0.2010, 0.2018



33.5528, 0.4290, 0.2905



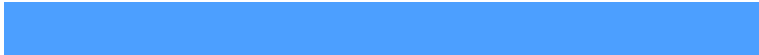
33.5528, 0.4222, 0.4658



33.5528, 0.2032, 0.3585

Rectangle

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



33.5528, 0.2010, 0.2018



33.5528, 0.3147, 0.2286



33.5528, 0.4222, 0.4658



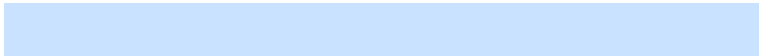
33.5528, 0.2923, 0.4691

Sweetspot

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



33.5539, 0.2010, 0.2018



74.2564, 0.2792, 0.2981



75.9897, 0.2664, 0.4390



15.2540, 0.2746, 0.2935



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.



33.5539, 0.2010, 0.2018



26.5028, 0.1853, 0.1731



14.1670, 0.1794, 0.1055



18.7672, 0.2979, 0.3159



10.8763, 0.1738, 0.1456



1.2750, 0.1797, 0.1670

Inverse Universe

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



28.9174, 0.4364, 0.2520



24.7315, 0.4739, 0.2506



92.1603, 0.4030, 0.4879



18.1274, 0.3221, 0.3180



11.8259, 0.5117, 0.2592



1.1733, 0.4843, 0.2442

Previews

White Background



This preview shows how the Yxy color 33.5528, 0.2010, 0.2018 looks on a white background.

Color Contrast Check

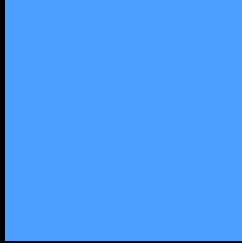
Large Text (above 18pt) WCAG AA × Fail

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 33.5528, 0.2010, 0.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

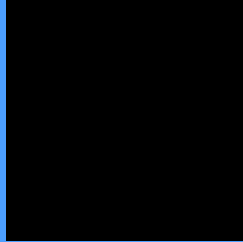
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

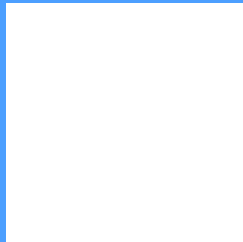
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5528, 0.2010, 0.2018

Background



This preview shows how black text looks on a background with the Yxy color 33.5528, 0.2010, 0.2018.

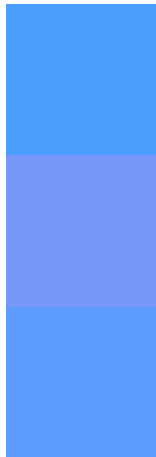


This preview shows how white text looks on a background with the Yxy color 33.5528, 0.2010, 0.2018.

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

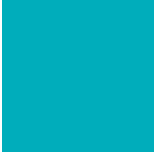
33.5528, 0.2010, 0.2018

Protanopia

33.2180, 0.2201, 0.2034

Deuteranopia

33.3241, 0.2063, 0.1995



Tritanopia

33.4750, 0.2182, 0.3054

Trichromacy



Original Color

33.5528, 0.2010, 0.2018

Protanomaly

33.2913, 0.2119, 0.2031

Deuteranomaly

33.3602, 0.2042, 0.2002

Tritanomaly

33.0056, 0.2082, 0.2606

Monochromacy



Original Color

33.5528, 0.2010, 0.2018

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.3085, 0.2566, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5528, 0.2010, 0.2018 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(76, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 159, 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(76, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.5528, 0.2010, 0.2018 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(76, 159, 255) }
```

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

```
.border{ border-color:rgb(76, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5528, 0.2010, 0.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 159, 255) }
```

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

```
.background{ background-color: rgb(76, 159,  
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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