

Converting Colors

$Y_{xy}(37.1985, 0.1989, 0.2172)$

Have a look what the booklet for
Yxy(37.1985, 0.1989, 0.2172)
contains.

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Color

Yxy(37.0496, 0.1987, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	33ABFF
RGB	51, 171, 255
RGB Percent	20%, 67%, 100%
CMY	0.8003, 0.3294, 0.0001
CMYK	0.80, 0.33, 0.00, 0.00
HSL	205°, 100%, 60%
HSV	205°, 80%, 100%
XYZ	33.9721, 37.0496, 99.9501
YIQ	144.6960, -98.4840, 0.6840

Conversions

Conversions Part 2

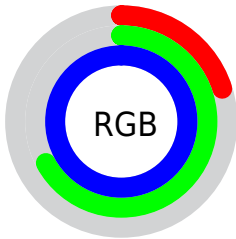
Format	Color
R _Y B	51, 127, 255
Decimal	3386367
CIE Lab	67.31, -4.27, -50.73
CIE LCh	67, 50.908, 265.184
Yxy	37.0496, 0.1987, 0.2167
Android (android.graphics.Color)	4281576447 (0xFF33ABFF)
YUV	144.6960, 54.3799, -82.1714
Hunter-Lab	60.8684, -6.8945, -54.7505

Details

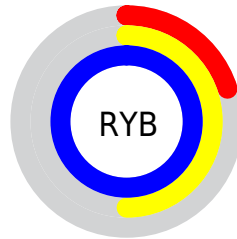
The Yxy color **37.0496, 0.1987, 0.2167** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **38.7946, 0.5192, 0.3990**, and the grayscale version is **27.9844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2019, 0.2408, 0.2944**, and **17.2709, 0.1867, 0.1920** is the 20% darker color. If you saturate the color by 10%, you get **32.7527, 0.1907, 0.2008**, and if you desaturate by 10%, it is **42.0259, 0.2089, 0.2329**.

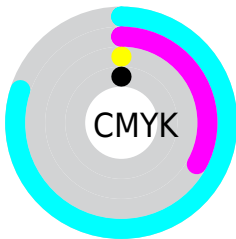
Distribution



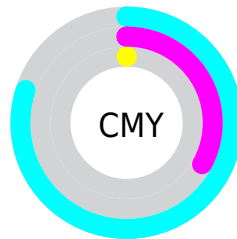
- Red (20%)
- Green (67%)
- Blue (100%)



- Red (20%)
- Yellow (50%)
- Blue (100%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0496, 0.1987, 0.2167 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 37.0496, 0.1987, 0.2167 by changing the saturation by 10% instead.


 37.0496, 0.1987,
0.2167


 37.0496, 0.1987,
0.2167


333.5252, 0.2541,
0.2720


 25.2459, 0.1859,
0.2037


 70.6491, 0.2182,
0.2363

 16.2604, 0.1701,
0.1877


 93.2136, 0.2257,
0.2438

 9.7086, 0.1505,
0.1676


 120.1339, 0.2321,
0.2502

 5.2062, 0.1259,
0.1420

 151.7943, 0.2377,
0.2558

 2.3687, 0.0950,
0.1094

188.5793, 0.2426,
0.2606

 0.8097, 0.0568,
0.0692

230.8731, 0.2469,

 0.0000, 0.0000,

0.2648

0.0000

279.0603, 0.2507,
0.2686

■ 37.0496, 0.1987,
0.2167

■ 37.0496, 0.1987,
0.2167

■ 32.7527, 0.1907,
0.2008

■ 42.0259, 0.2089,
0.2329

■ 29.0479, 0.1848,
0.1854

■ 47.7371, 0.2210,
0.2491

■ 54.2346, 0.2348,
0.2647

■ 61.5631, 0.2497,
0.2797

■ 69.7631, 0.2653,
0.2937

■ 78.8719, 0.2812,
0.3066

■ 88.9243, 0.2971,
0.3184

99.9527, 0.3127,
0.3290

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



37.0496, 0.1808, 0.2451



37.0496, 0.1987, 0.2167



37.0496, 0.2441, 0.2155

Triad

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



37.0496, 0.1987, 0.2167



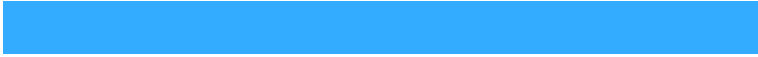
37.0496, 0.4503, 0.3298



37.0496, 0.2969, 0.4528

Complementary

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



37.0496, 0.1987, 0.2167



38.7946, 0.5192, 0.3990

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.



37.0496, 0.3703, 0.4695



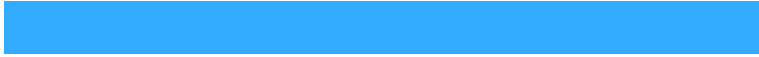
37.0496, 0.1987, 0.2167



37.0496, 0.4637, 0.3863

Square

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



37.0496, 0.1987, 0.2167



37.0496, 0.3923, 0.2776



37.0496, 0.4320, 0.4387



37.0496, 0.2318, 0.3851

Rectangle

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



37.0496, 0.1987, 0.2167



37.0496, 0.2884, 0.2277



37.0496, 0.4320, 0.4387



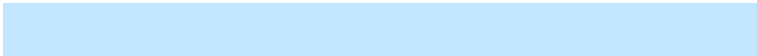
37.0496, 0.3215, 0.4648

Sweetspot

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



37.0508, 0.1987, 0.2167



75.1538, 0.2749, 0.3016



73.8898, 0.2767, 0.4948



15.3966, 0.2692, 0.2970



0.0000, 0.0000, 0.0000



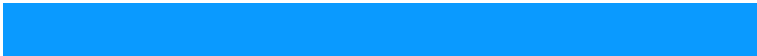
21.4041, 0.3127, 0.3290

Same Dimension

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



37.0508, 0.1987, 0.2167



30.4835, 0.1871, 0.1915



12.4702, 0.1668, 0.0959



19.1546, 0.2979, 0.3190



15.4823, 0.1855, 0.1879



1.7228, 0.1904, 0.2056

Inverse Universe

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



26.5585, 0.4240, 0.2263



23.8232, 0.4547, 0.2295



80.6678, 0.4276, 0.4830



18.1665, 0.3202, 0.3151



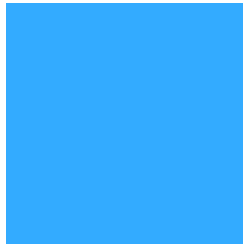
12.2909, 0.4592, 0.2303



1.2185, 0.4390, 0.2192

Previews

White Background



This preview shows how the Yxy color 37.0496, 0.1987, 0.2167 looks on a white background.

Color Contrast Check

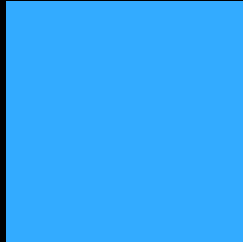
Large Text (above 18pt) WCAG AA × Fail

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 37.0496, 0.1987, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

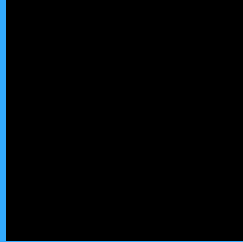
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

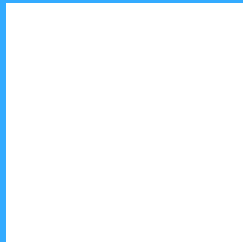
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0496, 0.1987, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 37.0496, 0.1987, 0.2167.



This preview shows how white text looks on a background with the Yxy color 37.0496, 0.1987, 0.2167.

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

37.0496, 0.1987, 0.2167

Protanopia

36.7207, 0.2321, 0.2200

Deuteranopia

36.8591, 0.2169, 0.2113



Tritanopia

36.9879, 0.2184, 0.3063

Trichromacy



Original Color

37.0496, 0.1987, 0.2167

Protanomaly

36.2740, 0.2154, 0.2172

Deuteranomaly

36.6661, 0.2083, 0.2127

Tritanomaly

36.5925, 0.2092, 0.2684

Monochromacy



Original Color

37.0496, 0.1987, 0.2167

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.9935, 0.2508, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0496, 0.1987, 0.2167 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(51, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 171, 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(51, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.0496, 0.1987, 0.2167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

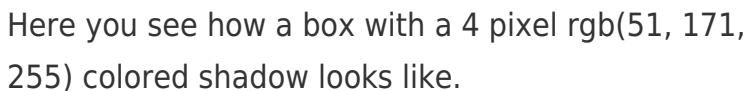
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 171, 255) }
```

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

```
.border{ border-color:rgb(51, 171, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0496, 0.1987, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 171, 255) }
```

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

```
.background{ background-color: rgb(51, 171,  
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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