

Converting Colors

$Yxy(33.7726, 0.3127, 0.5899)$

Have a look what the booklet for
Yxy(33.7726, 0.3127, 0.5899)
contains.

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Color

Yxy(33.7516, 0.3127, 0.5899)

Conversions

Conversions Part 1

Format	Color
Hex	33B500
RGB	51, 181, 0
RGB Percent	20%, 71%, 0%
CMY	0.7998, 0.2902, 0.9998
CMYK	0.72, 0.00, 1.00, 0.29
HSL	103°, 100%, 36%
HSV	103°, 100%, 71%
XYZ	17.8914, 33.7516, 5.5728
YIQ	121.4960, -19.3790, -83.8510

Conversions

Conversions Part 2

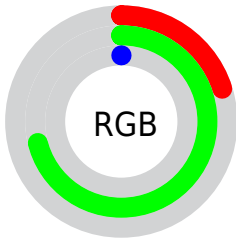
Format	Color
RYB	0, 181, 130
Decimal	3388672
CIELab	64.76, -61.57, 64.99
CIELCh	65, 89.528, 133.451
Yxy	33.7516, 0.3127, 0.5899
Android (android.graphics.Color)	4281578752 (0xFF33B500)
YUV	121.4960, -59.8975, -61.8250
Hunter-Lab	58.0961, -46.6971, 34.9799

Details

The Yxy color **33.7516, 0.3127, 0.5899** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **8.0832, 0.2507, 0.1155**, and the grayscale version is **19.5005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5224, 0.3218, 0.5358**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.7519, 0.3127, 0.5899**, and if you desaturate by 10%, it is **34.1836, 0.3172, 0.5782**.

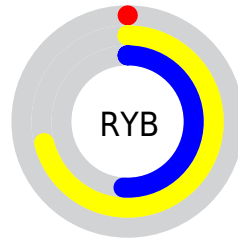
Distribution



Red (20%)

Green (71%)

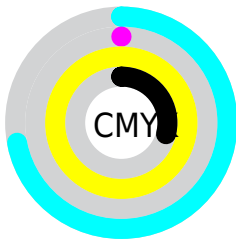
Blue (0%)



Red (0%)

Yellow (71%)

Blue (51%)

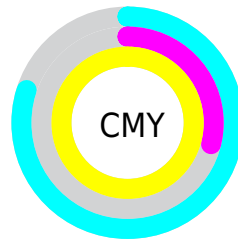


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (80%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7516, 0.3127, 0.5899 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 33.7516, 0.3127, 0.5899 by changing the saturation by 10% instead.

 33.7516, 0.3127,
0.5899


 33.7516, 0.3127,
0.5899

319.0230, 0.3255,
0.4451

 22.7028, 0.3031,
0.6272


 65.5472, 0.3217,
0.5354


 14.3742, 0.2865,
0.6736


 87.0628, 0.3237,
0.5153

 8.3814, 0.2607,
0.7393


 112.8362, 0.3248,
0.4985

 4.3400, 0.2067,
0.7933

 143.2517, 0.3254,
0.4844

 1.8655, 0.0264,
0.9736

 178.6938, 0.3257,
0.4724


 0.5275, 0.0000,
1.0000


 219.5467, 0.3258,


 0.0000, 0.0000,


0.4620


0.0000

 266.1950, 0.3257,
0.4530


 33.7516, 0.3127,
0.5899


 33.7516, 0.3127,
0.5899


 33.7519, 0.3127,
0.5899

 34.1836, 0.3172,
0.5782

 34.7565, 0.3211,
0.5604

 35.4935, 0.3237,
0.5364

 36.4080, 0.3250,
0.5076

 37.5116, 0.3249,
0.4760

■ 38.8151, 0.3237,
0.4435

■ 40.3283, 0.3216,
0.4117

■ 42.0603, 0.3189,
0.3817

■ 44.0198, 0.3159,
0.3540

Harmonies

Analogous

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



33.7516, 0.4276, 0.5414



33.7516, 0.3127, 0.5899



33.7516, 0.2033, 0.5000

Triad

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



33.7516, 0.3127, 0.5899



33.7516, 0.1191, 0.1574



33.7516, 0.5265, 0.2836

Complementary

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



33.7516, 0.3127, 0.5899



8.0832, 0.2507, 0.1155

Split Complementary

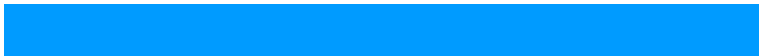
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.7516, 0.3964, 0.2153



33.7516, 0.3127, 0.5899



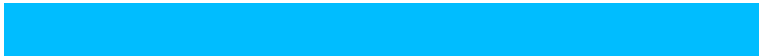
33.7516, 0.1662, 0.1469

Square

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



33.7516, 0.3127, 0.5899



33.7516, 0.1070, 0.2093



33.7516, 0.2589, 0.1671



33.7516, 0.5719, 0.3600

Rectangle

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



33.7516, 0.3127, 0.5899



33.7516, 0.1495, 0.3831



33.7516, 0.2589, 0.1671



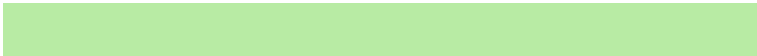
33.7516, 0.4895, 0.2595

Sweetspot

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



33.7530, 0.3127, 0.5899



72.0735, 0.3217, 0.4134



25.7180, 0.4799, 0.4571



15.3266, 0.3227, 0.4264



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.7530, 0.3127, 0.5899



60.3504, 0.3117, 0.5907



33.1962, 0.2936, 0.5768



9.6022, 0.3157, 0.3522



23.2987, 0.3135, 0.5893



0.7632, 0.3358, 0.5716

Inverse Universe

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



8.0832, 0.2507, 0.1155



14.3524, 0.2496, 0.1149



11.7718, 0.3845, 0.1892



8.5240, 0.3094, 0.3062



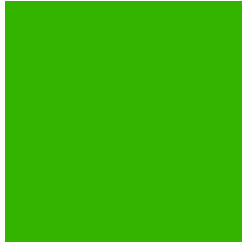
5.6070, 0.2516, 0.1160



0.2040, 0.2718, 0.1271

Previews

White Background



This preview shows how the Yxy color 33.7516, 0.3127, 0.5899 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 33.7516, 0.3127, 0.5899 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 33.7516, 0.3127, 0.5899

Background



This preview shows how black text looks on a background with the Yxy color 33.7516, 0.3127, 0.5899.



This preview shows how white text looks on a background with the Yxy color 33.7516, 0.3127, 0.5899.

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

33.7516, 0.3127, 0.5899

Protanopia

33.0070, 0.4407, 0.4883

Deuteranopia

33.0621, 0.4600, 0.4510



Tritanopia

33.5065, 0.2428, 0.3063

Trichromacy



Original Color

33.7516, 0.3127, 0.5899



Protanomaly

31.7356, 0.3836, 0.5336



Deuteranomaly

31.0514, 0.3962, 0.5110



Tritanomaly

32.6440, 0.2786, 0.4332

Monochromacy



Original Color

33.7516, 0.3127, 0.5899



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.6818, 0.3240, 0.4587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7516, 0.3127, 0.5899 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, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 181, 0)  
}
```

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, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.7516, 0.3127, 0.5899 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, 181, 0) }
```

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

```
.border{ border-color:rgb(51, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 181, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.7516, 0.3127, 0.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 181, 0) }
```

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

```
.background{ background-color: rgb(51, 181,  
0) }
```

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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