

Converting Colors

$Y_{xy}(36.9006, 0.3536, 0.5574)$

Have a look what the booklet for
Yxy(36.9006, 0.3536, 0.5574)
contains.

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Color

Yxy(36.9006, 0.3536, 0.5574)

Conversions

Conversions Part 1

Format	Color
Hex	70B600
RGB	112, 182, 0
RGB Percent	44%, 71%, 0%
CMY	0.5609, 0.2863, 0.9995
CMYK	0.38, 0.00, 1.00, 0.29
HSL	83°, 100%, 36%
HSV	83°, 100%, 71%
XYZ	23.4088, 36.9006, 5.8919
YIQ	140.3220, 16.7020, -71.4420

Conversions

Conversions Part 2

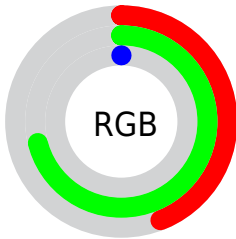
Format	Color
RYB	0, 182, 70
Decimal	7386624
CIELab	67.20, -45.22, 67.80
CIELCh	67, 81.499, 123.699
Yxy	36.9006, 0.3536, 0.5574
Android (android.graphics.Color)	4285576704 (0xFF70B600)
YUV	140.3220, -69.1787, -24.8384
Hunter-Lab	60.7459, -37.5192, 36.7714

Details

The Yxy color **36.9006, 0.3536, 0.5574** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.6882, 0.1823, 0.0778**, and the grayscale version is **26.6323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2452, 0.3543, 0.5128**, and **16.1952, 0.3278, 0.5779** is the 20% darker color. If you saturate the color by 10%, you get **36.8987, 0.3536, 0.5575**, and if you desaturate by 10%, it is **37.4243, 0.3575, 0.5472**.

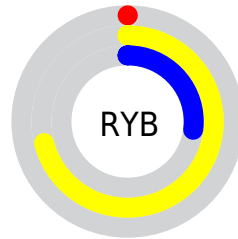
Distribution



Red (44%)

Green (71%)

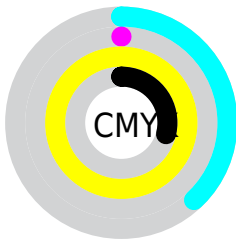
Blue (0%)



Red (0%)

Yellow (71%)

Blue (27%)

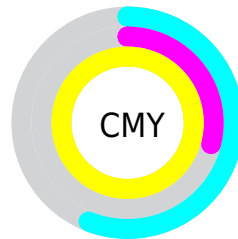


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (56%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9006, 0.3536, 0.5574 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 36.9006, 0.3536, 0.5574 by changing the saturation by 10% instead.


 36.9006, 0.3536,
0.5574


 36.9006, 0.3536,
0.5574


332.8800, 0.3440,
0.4365

 25.1305, 0.3504,
0.5863


 70.4199, 0.3539,
0.5135

 16.1743, 0.3425,
0.6211


 92.9379, 0.3528,
0.4969


 9.6476, 0.3297,
0.6703


 119.8073, 0.3514,
0.4828

 5.1659, 0.2921,
0.7079

 151.4126, 0.3498,
0.4708

 2.3450, 0.2315,
0.7685

 188.1381, 0.3483,
0.4604

 0.7973, 0.0000,
1.0000

 230.3683, 0.3468,

 0.0000, 0.0000,

0.4514

0.0000

278.4874, 0.3453,
0.4435

■ 36.9006, 0.3536,
0.5574

■ 36.9006, 0.3536,
0.5574

■ 36.8987, 0.3536,
0.5575

■ 37.4243, 0.3575,
0.5472

■ 38.0244, 0.3595,
0.5327

■ 38.7185, 0.3591,
0.5133

■ 39.5149, 0.3564,
0.4899

■ 40.4208, 0.3516,
0.4636

■ 41.4423, 0.3453,
0.4357

■ 42.5852, 0.3378,
0.4075

■ 43.8548, 0.3296,
0.3798

■ 45.2559, 0.3211,
0.3535

Harmonies

Analogous

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



36.9006, 0.4552, 0.5006



36.9006, 0.3536, 0.5574



36.9006, 0.2479, 0.5165

Triad

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



36.9006, 0.3536, 0.5574



36.9006, 0.1272, 0.1840



36.9006, 0.4707, 0.2682

Complementary

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



36.9006, 0.3536, 0.5574



4.6882, 0.1823, 0.0778

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.



36.9006, 0.3459, 0.2086



36.9006, 0.3536, 0.5574



36.9006, 0.1606, 0.1618

Square

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



36.9006, 0.3536, 0.5574



36.9006, 0.1272, 0.2510



36.9006, 0.2326, 0.1714



36.9006, 0.5421, 0.3393

Rectangle

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



36.9006, 0.3536, 0.5574



36.9006, 0.1885, 0.4276



36.9006, 0.2326, 0.1714



36.9006, 0.4317, 0.2465

Sweetspot

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



36.9022, 0.3536, 0.5574



77.0748, 0.3382, 0.4091



14.3075, 0.5739, 0.3824



16.8262, 0.3415, 0.4210



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.9022, 0.3536, 0.5574



66.7520, 0.3526, 0.5583



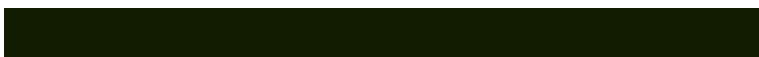
33.6219, 0.3030, 0.5976



10.3261, 0.3206, 0.3520



26.0947, 0.3543, 0.5569



0.9544, 0.3713, 0.5434

Inverse Universe

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



4.6882, 0.1823, 0.0778



8.3629, 0.1806, 0.0768



10.9354, 0.2917, 0.1381



8.8835, 0.3043, 0.3058



3.3423, 0.1833, 0.0784



0.1539, 0.2143, 0.0954

Previews

White Background



This preview shows how the Yxy color 36.9006, 0.3536, 0.5574 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 36.9006, 0.3536, 0.5574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

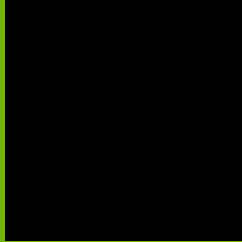
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9006, 0.3536, 0.5574

Background



This preview shows how black text looks on a background with the Yxy color 36.9006, 0.3536, 0.5574.



This preview shows how white text looks on a background with the Yxy color 36.9006, 0.3536, 0.5574.

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

36.9006, 0.3536, 0.5574

Protanopia

36.3847, 0.4409, 0.4881

Deuteranopia

36.2177, 0.4633, 0.4529



Tritanopia

36.7004, 0.2707, 0.3081

Trichromacy



Original Color

36.9006, 0.3536, 0.5574

Protanomaly

36.0186, 0.4071, 0.5150

Deuteranomaly

35.2707, 0.4226, 0.4932

Tritanomaly

35.9164, 0.3151, 0.4222

Monochromacy



Original Color

36.9006, 0.3536, 0.5574

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.9098, 0.3472, 0.4415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9006, 0.3536, 0.5574 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(112, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 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(112, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.9006, 0.3536, 0.5574 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(112, 182, 0) }
```

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

```
.border{ border-color:rgb(112, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9006, 0.3536, 0.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 0) }
```

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

```
.background{ background-color: rgb(112,  
182, 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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