

Converting Colors

$Yxy(33.3924, 0.3732, 0.5884)$

Have a look what the booklet for
Yxy(33.3924, 0.3732, 0.5884)
contains.

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Color

Yxy(33.7168, 0.3583, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	70AE00
RGB	112, 174, 0
RGB Percent	44%, 68%, 0%
CMY	0.5608, 0.3176, 0.9999
CMYK	0.36, 0.00, 1.00, 0.32
HSL	81°, 100%, 34%
HSV	81°, 100%, 68%
XYZ	21.8182, 33.7168, 5.3586
YIQ	135.6260, 18.9020, -67.2580

Conversions

Conversions Part 2

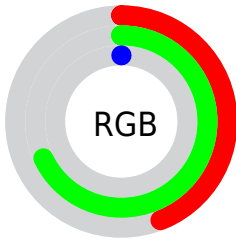
Format	Color
RYB	0, 174, 62
Decimal	7384576
CIELab	64.74, -41.86, 65.91
CIELCh	65, 78.078, 122.419
Yxy	33.7168, 0.3583, 0.5537
Android (android.graphics.Color)	4285574656 (0xFF70AE00)
YUV	135.6260, -66.8636, -20.7200
Hunter-Lab	58.0662, -34.5450, 35.1747

Details

The Yxy color **33.7168, 0.3583, 0.5537** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0824, 0.1782, 0.0755**, and the grayscale version is **24.7250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5504, 0.3575, 0.5098**, and **14.4870, 0.3331, 0.5737** is the 20% darker color. If you saturate the color by 10%, you get **33.7173, 0.3583, 0.5537**, and if you desaturate by 10%, it is **34.1810, 0.3617, 0.5437**.

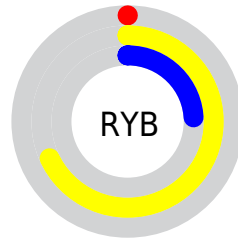
Distribution



Red (44%)

Green (68%)

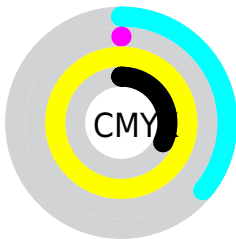
Blue (0%)



Red (0%)

Yellow (68%)

Blue (24%)

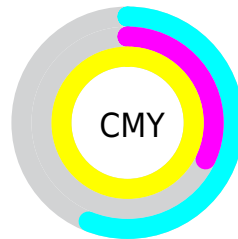


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (56%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7168, 0.3583, 0.5537 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 33.7168, 0.3583, 0.5537 by changing the saturation by 10% instead.


 33.7168, 0.3583,
0.5537

 33.7168, 0.3583,
0.5537


318.8674, 0.3457,
0.4336


 22.6761, 0.3557,
0.5828


 65.4930, 0.3575,
0.5098


 14.3545, 0.3483,
0.6180


 86.9974, 0.3560,
0.4932

 8.3677, 0.3344,
0.6656


 112.7584, 0.3542,
0.4793

 4.3311, 0.2957,
0.7043

 143.1605, 0.3524,
0.4673

 1.8604, 0.2213,
0.7787

 178.5880, 0.3506,
0.4571

 0.5244, 0.0000,
1.0000


 219.4254, 0.3489,


 0.0000, 0.0000,


0.4482


0.0000


 266.0571, 0.3472,
0.4404


 33.7168, 0.3583,
0.5537


 33.7168, 0.3583,
0.5537


 33.7173, 0.3583,
0.5537

 34.1810, 0.3617,
0.5437

 34.7090, 0.3633,
0.5296

 35.3174, 0.3624,
0.5107

 36.0132, 0.3592,
0.4879

 36.8026, 0.3540,
0.4622

■ 37.6912, 0.3471,
0.4348

■ 38.6840, 0.3392,
0.4070

■ 39.7856, 0.3305,
0.3797

■ 41.0001, 0.3216,
0.3535

Harmonies

Analogous

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



33.7168, 0.4581, 0.4960



33.7168, 0.3583, 0.5537



33.7168, 0.2532, 0.5180

Triad

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



33.7168, 0.3583, 0.5537



33.7168, 0.1281, 0.1873



33.7168, 0.4641, 0.2662

Complementary

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



33.7168, 0.3583, 0.5537



4.0824, 0.1782, 0.0755

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.



33.7168, 0.3402, 0.2077



33.7168, 0.3583, 0.5537



33.7168, 0.1599, 0.1635

Square

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



33.7168, 0.3583, 0.5537



33.7168, 0.1297, 0.2563



33.7168, 0.2296, 0.1718



33.7168, 0.5382, 0.3365

Rectangle

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



33.7168, 0.3583, 0.5537



33.7168, 0.1933, 0.4326



33.7168, 0.2296, 0.1718



33.7168, 0.4250, 0.2448

Sweetspot

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



33.7183, 0.3583, 0.5537



70.0615, 0.3396, 0.4085



12.3287, 0.5826, 0.3756



15.4023, 0.3430, 0.4200



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.7183, 0.3583, 0.5537



61.0275, 0.3573, 0.5545



30.4949, 0.3045, 0.5964



9.1853, 0.3210, 0.3518



24.4885, 0.3589, 0.5532



0.7104, 0.3778, 0.5382

Inverse Universe

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



4.0824, 0.1782, 0.0755



7.2877, 0.1765, 0.0746



9.3443, 0.2834, 0.1335



7.8909, 0.3039, 0.3059



2.9904, 0.1793, 0.0761



0.1144, 0.2160, 0.0964

Previews

White Background



This preview shows how the Yxy color 33.7168, 0.3583, 0.5537 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 33.7168, 0.3583, 0.5537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

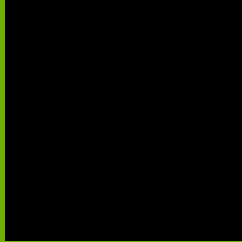
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7168, 0.3583, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 33.7168, 0.3583, 0.5537.



This preview shows how white text looks on a background with the Yxy color 33.7168, 0.3583, 0.5537.

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

33.7168, 0.3583, 0.5537

Protanopia

33.3440, 0.4396, 0.4892

Deuteranopia

33.1656, 0.4632, 0.4531



Tritanopia

33.6816, 0.2739, 0.3089

Trichromacy



Original Color

33.7168, 0.3583, 0.5537

Protanomaly

32.9667, 0.4087, 0.5136

Deuteranomaly

32.2789, 0.4249, 0.4911

Tritanomaly

32.6311, 0.3190, 0.4219

Monochromacy



Original Color

33.7168, 0.3583, 0.5537

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

27.0128, 0.3476, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7168, 0.3583, 0.5537 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, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 174, 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, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.7168, 0.3583, 0.5537 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, 174, 0) }
```

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

```
.border{ border-color:rgb(112, 174, 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, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 174,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7168, 0.3583, 0.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 174, 0) }
```

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

```
.background{ background-color: rgb(112,  
174, 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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