

Converting Colors

Yxy(34.7637, 0.3607, 0.5518)

Have a look what the booklet for
Yxy(34.7637, 0.3607, 0.5518)
contains.

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Color

Yxy(34.7637, 0.3607, 0.5518)

Conversions

Conversions Part 1

Format	Color
Hex	74B000
RGB	116, 176, 0
RGB Percent	45%, 69%, 0%
CMY	0.5452, 0.3098, 0.9999
CMYK	0.34, 0.00, 1.00, 0.31
HSL	80°, 100%, 35%
HSV	80°, 100%, 69%
XYZ	22.7243, 34.7637, 5.5125
YIQ	137.9960, 20.7360, -67.4560

Conversions

Conversions Part 2

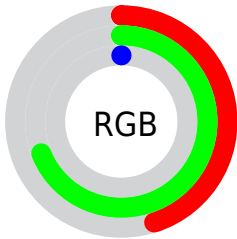
Format	Color
RYB	0, 176, 60
Decimal	7647232
CIELab	65.56, -41.24, 66.64
CIELCh	66, 78.370, 121.753
Yxy	34.7637, 0.3607, 0.5518
Android (android.graphics.Color)	4285837312 (0xFF74B000)
YUV	137.9960, -68.0320, -19.2905
Hunter-Lab	58.9607, -34.3849, 35.7292

Details

The Yxy color **34.7637, 0.3607, 0.5518** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.0983, 0.1759, 0.0743**, and the grayscale version is **25.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1193, 0.3596, 0.5092**, and **15.0957, 0.3363, 0.5712** is the 20% darker color. If you saturate the color by 10%, you get **34.7646, 0.3607, 0.5518**, and if you desaturate by 10%, it is **35.2324, 0.3639, 0.5421**.

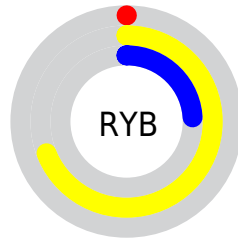
Distribution



Red (45%)

Green (69%)

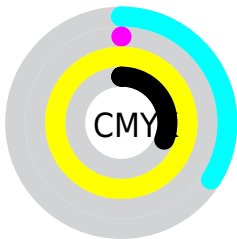
Blue (0%)



Red (0%)

Yellow (69%)

Blue (24%)

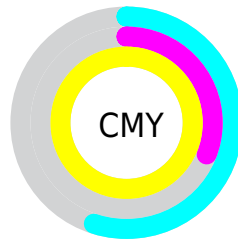


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (55%)


Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7637, 0.3607, 0.5518 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 34.7637, 0.3607, 0.5518 by changing the saturation by 10% instead.


 34.7637, 0.3607,
0.5518


 34.7637, 0.3607,
0.5518


 323.5241, 0.3469,
0.4336

 23.4809, 0.3585,
0.5801


 67.1195, 0.3594,
0.5089


 14.9490, 0.3517,
0.6141

 88.9614, 0.3577,
0.4926

 8.7836, 0.3393,
0.6607


 115.0917, 0.3558,
0.4788

 4.6003, 0.3024,
0.6976

 145.8949, 0.3539,
0.4670

 2.0147, 0.2385,
0.7615

 181.7553, 0.3520,
0.4569

 0.6160, 0.0000,
1.0000

 223.0574, 0.3502,

 0.0000, 0.0000,

0.4481

0.0000

270.1855, 0.3485,
0.4404

■ 34.7637, 0.3607,
0.5518

■ 34.7637, 0.3607,
0.5518

■ 34.7646, 0.3607,
0.5518

■ 35.2324, 0.3639,
0.5421

■ 35.7646, 0.3653,
0.5282

■ 36.3768, 0.3642,
0.5097

■ 37.0765, 0.3608,
0.4871

■ 37.8699, 0.3553,
0.4617

■ 38.7626, 0.3482,
0.4346

■ 39.7598, 0.3399,
0.4069

■ 40.8660, 0.3310,
0.3796

■ 42.0857, 0.3219,
0.3535

Harmonies

Analogous

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



34.7637, 0.4596, 0.4936



34.7637, 0.3607, 0.5518



34.7637, 0.2559, 0.5187

Triad

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



34.7637, 0.3607, 0.5518



34.7637, 0.1286, 0.1891



34.7637, 0.4607, 0.2651

Complementary

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



34.7637, 0.3607, 0.5518



4.0983, 0.1759, 0.0743

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.



34.7637, 0.3373, 0.2072



34.7637, 0.3607, 0.5518



34.7637, 0.1595, 0.1645

Square

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



34.7637, 0.3607, 0.5518



34.7637, 0.1310, 0.2590



34.7637, 0.2281, 0.1721



34.7637, 0.5361, 0.3351

Rectangle

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



34.7637, 0.3607, 0.5518



34.7637, 0.1958, 0.4352



34.7637, 0.2281, 0.1721



34.7637, 0.4216, 0.2439

Sweetspot

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



34.7652, 0.3607, 0.5518



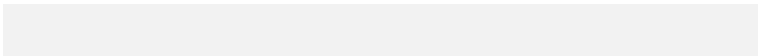
71.9996, 0.3404, 0.4084



12.3271, 0.5871, 0.3720



15.4383, 0.3439, 0.4198



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.



34.7652, 0.3607, 0.5518



62.9137, 0.3597, 0.5526



31.3211, 0.3052, 0.5958



9.7586, 0.3212, 0.3519



25.5374, 0.3613, 0.5513



0.8342, 0.3780, 0.5381

Inverse Universe

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



4.0983, 0.1759, 0.0743



7.3177, 0.1743, 0.0734



9.3089, 0.2792, 0.1312



8.3664, 0.3036, 0.3058



3.0354, 0.1769, 0.0748



0.1285, 0.2106, 0.0934

Previews

White Background



This preview shows how the Yxy color 34.7637, 0.3607, 0.5518 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 34.7637, 0.3607, 0.5518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

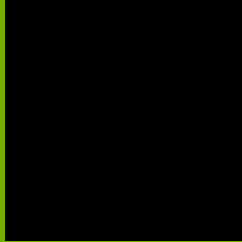
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7637, 0.3607, 0.5518

Background



This preview shows how black text looks on a background with the Yxy color 34.7637, 0.3607, 0.5518.



This preview shows how white text looks on a background with the Yxy color 34.7637, 0.3607, 0.5518.

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

34.7637, 0.3607, 0.5518

Deuteranopia

34.2075, 0.4638, 0.4531

Tritanopia

34.7936, 0.2759, 0.3092

Trichromacy



Original Color

34.7637, 0.3607, 0.5518

Deuteranomaly

33.2892, 0.4260, 0.4906

Tritanomaly

33.7095, 0.3208, 0.4202

Monochromacy



Original Color

34.7637, 0.3607, 0.5518

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.9069, 0.3493, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7637, 0.3607, 0.5518 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(116, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 176, 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(116, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.7637, 0.3607, 0.5518 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(116, 176, 0) }
```

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

```
.border{ border-color:rgb(116, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 176,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 34.7637, 0.3607, 0.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 176, 0) }
```

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

```
.background{ background-color: rgb(116,  
176, 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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