

Converting Colors

$Y_{xy}(34.7402, 0.3600, 0.5512)$

Have a look what the booklet for
Yxy(34.7402, 0.3600, 0.5512)
contains.

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Color

Yxy(34.7702, 0.3604, 0.5509)

Conversions

Conversions Part 1

Format	Color
Hex	74B003
RGB	116, 176, 3
RGB Percent	45%, 69%, 1%
CMY	0.5450, 0.3098, 0.9882
CMYK	0.34, 0.00, 0.98, 0.31
HSL	81°, 97%, 35%
HSV	81°, 98%, 69%
XYZ	22.7467, 34.7702, 5.5983
YIQ	138.3380, 19.7730, -66.5230

Conversions

Conversions Part 2

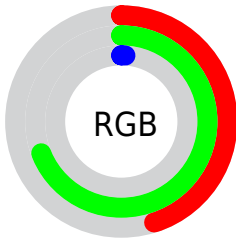
Format	Color
RYB	3, 176, 63
Decimal	7647235
CIELab	65.57, -41.16, 66.27
CIELCh	66, 78.011, 121.847
Yxy	34.7702, 0.3604, 0.5509
Android (android.graphics.Color)	4285837315 (0xFF74B003)
YUV	138.3380, -66.7216, -19.5904
Hunter-Lab	58.9663, -34.3330, 35.6473

Details

The Yxy color **34.7702, 0.3604, 0.5509** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.2560, 0.1785, 0.0766**, and the grayscale version is **25.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1333, 0.3592, 0.5084**, and **15.0957, 0.3363, 0.5712** is the 20% darker color. If you saturate the color by 10%, you get **34.6940, 0.3598, 0.5525**, and if you desaturate by 10%, it is **35.2499, 0.3635, 0.5407**.

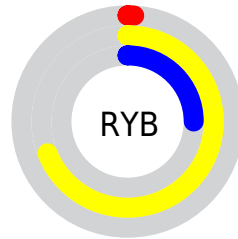
Distribution



Red (45%)

Green (69%)

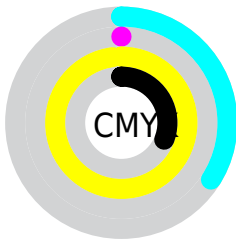
Blue (1%)



Red (1%)

Yellow (69%)

Blue (25%)

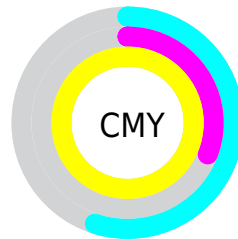


Cyan (34%)

Magenta (0%)

Yellow (98%)

Black (31%)



Cyan (55%)

Magenta (31%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7702, 0.3604, 0.5509 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 34.7702, 0.3604, 0.5509 by changing the saturation by 10% instead.


 34.7702, 0.3604,
0.5509


 34.7702, 0.3604,
0.5509


 323.5528, 0.3466,
0.4331


 23.4859, 0.3582,
0.5792


 67.1296, 0.3591,
0.5081


 14.9527, 0.3515,
0.6132


 88.9735, 0.3574,
0.4918

 8.7862, 0.3396,
0.6604


 115.1061, 0.3555,
0.4781

 4.6020, 0.3028,
0.6972

 145.9118, 0.3536,
0.4663

 2.0157, 0.2391,
0.7609

 181.7749, 0.3517,
0.4562

 0.6166, 0.0000,
1.0000

 223.0798, 0.3499,

 0.0000, 0.0000,

0.4475

0.0000

270.2110, 0.3482,
0.4398

■ 34.7702, 0.3604,
0.5509

■ 34.7702, 0.3604,
0.5509

■ 34.6940, 0.3598,
0.5525

■ 35.2499, 0.3635,
0.5407

■ 35.7986, 0.3646,
0.5259

■ 36.4296, 0.3632,
0.5065

■ 37.1499, 0.3594,
0.4833

■ 37.9659, 0.3537,
0.4574

■ 38.8830, 0.3465,
0.4300

■ 39.9062, 0.3382,
0.4023

■ 41.0402, 0.3293,
0.3751

■ 42.2892, 0.3202,
0.3492

Harmonies

Analogous

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



34.7702, 0.4590, 0.4934



34.7702, 0.3604, 0.5509



34.7702, 0.2559, 0.5174

Triad

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



34.7702, 0.3604, 0.5509



34.7702, 0.1293, 0.1895



34.7702, 0.4604, 0.2656

Complementary

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



34.7702, 0.3604, 0.5509



4.2560, 0.1785, 0.0766

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.



34.7702, 0.3376, 0.2078



34.7702, 0.3604, 0.5509



34.7702, 0.1602, 0.1650

Square

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



34.7702, 0.3604, 0.5509



34.7702, 0.1316, 0.2591



34.7702, 0.2287, 0.1727



34.7702, 0.5353, 0.3355

Rectangle

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



34.7702, 0.3604, 0.5509



34.7702, 0.1961, 0.4342



34.7702, 0.2287, 0.1727



34.7702, 0.4215, 0.2444

Sweetspot

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



34.7717, 0.3604, 0.5509



72.1410, 0.3393, 0.4056



12.5392, 0.5827, 0.3733



15.4636, 0.3428, 0.4172



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.



34.7717, 0.3604, 0.5509



62.7937, 0.3588, 0.5533



31.3615, 0.3056, 0.5942



9.7563, 0.3212, 0.3519



25.4893, 0.3604, 0.5520



0.8329, 0.3773, 0.5386

Inverse Universe

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



4.2560, 0.1785, 0.0766



7.3717, 0.1751, 0.0738



9.4184, 0.2800, 0.1323



8.3686, 0.3037, 0.3058



3.0580, 0.1777, 0.0753



0.1294, 0.2115, 0.0939

Previews

White Background



This preview shows how the Yxy color 34.7702, 0.3604, 0.5509 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 34.7702, 0.3604, 0.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

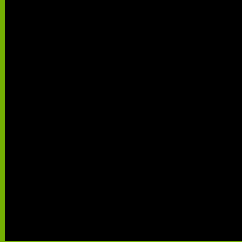
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7702, 0.3604, 0.5509

Background



This preview shows how black text looks on a background with the Yxy color 34.7702, 0.3604, 0.5509.



This preview shows how white text looks on a background with the Yxy color 34.7702, 0.3604, 0.5509.

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

34.7702, 0.3604, 0.5509

Protanopia

34.3800, 0.4404, 0.4886

Deuteranopia

34.2075, 0.4638, 0.4531



Tritanopia

34.7936, 0.2759, 0.3092

Trichromacy



Original Color

34.7702, 0.3604, 0.5509

Protanomaly

33.9804, 0.4098, 0.5125

Deuteranomaly

33.2932, 0.4257, 0.4902

Tritanomaly

33.7322, 0.3200, 0.4185

Monochromacy



Original Color

34.7702, 0.3604, 0.5509

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.9236, 0.3484, 0.4375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7702, 0.3604, 0.5509 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(116, 176, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 176, 3) }
```

Border

The CSS property to change the border of an element to Yxy 34.7702, 0.3604, 0.5509 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, 3) }
```

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

```
.border{ border-color:rgb(116, 176, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 176, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 176, 3);  
box-shadow:4px 4px 4px 4px rgb(116, 176,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7702, 0.3604, 0.5509 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, 3) }
```

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

```
.background{ background-color: rgb(116,  
176, 3) }
```

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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