

Converting Colors

$Y_{xy}(34.5590, 0.3730, 0.5420)$

Have a look what the booklet for
Yxy(34.5590, 0.3730, 0.5420)
contains.

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Color

Yxy(34.3992, 0.3732, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	7FAD00
RGB	127, 173, 0
RGB Percent	50%, 68%, 0%
CMY	0.5020, 0.3215, 0.9991
CMYK	0.27, 0.00, 1.00, 0.32
HSL	76°, 100%, 34%
HSV	76°, 100%, 68%
XYZ	23.6947, 34.3992, 5.3967
YIQ	139.5240, 28.1170, -63.5550

Conversions

Conversions Part 2

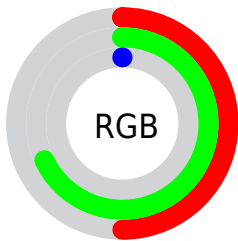
Format	Color
RYB	0, 173, 46
Decimal	8367360
CIELab	65.28, -35.65, 66.67
CIELCh	65, 75.604, 118.137
Yxy	34.3992, 0.3732, 0.5418
Android (android.graphics.Color)	4286557440 (0xFF7FAD00)
YUV	139.5240, -68.7853, -10.9835
Hunter-Lab	58.6508, -30.5257, 35.6001

Details

The Yxy color **34.3992, 0.3732, 0.5418** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.6088, 0.1668, 0.0693**, and the grayscale version is **26.3037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7508, 0.3692, 0.5020**, and **14.7725, 0.3522, 0.5586** is the 20% darker color. If you saturate the color by 10%, you get **34.3958, 0.3732, 0.5419**, and if you desaturate by 10%, it is **34.8043, 0.3753, 0.5331**.

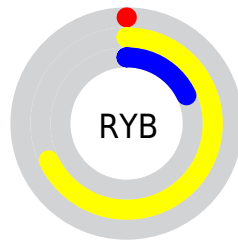
Distribution



Red (50%)

Green (68%)

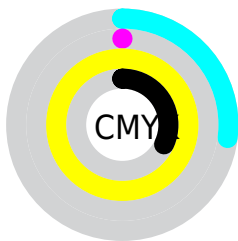
Blue (0%)



Red (0%)

Yellow (68%)

Blue (18%)

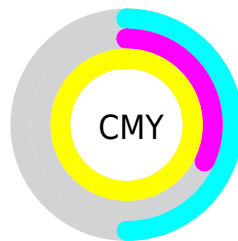


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (50%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3992, 0.3732, 0.5418 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 34.3992, 0.3732, 0.5418 by changing the saturation by 10% instead.


 34.3992, 0.3732,
0.5418


 34.3992, 0.3732,
0.5418


 321.9084, 0.3524,
0.4302


 23.2004, 0.3728,
0.5679


 66.5540, 0.3693,
0.5017


 14.7416, 0.3685,
0.5991


 88.2788, 0.3666,
0.4863


 8.6382, 0.3593,
0.6407

 114.2811, 0.3639,
0.4732

 4.5060, 0.3270,
0.6730

 144.9452, 0.3613,
0.4621

 1.9604, 0.2733,
0.7267

 180.6556, 0.3588,
0.4524

 0.5843, 0.0000,
1.0000

 221.7967, 0.3565,


 0.0000, 0.0000,


0.4440

0.0000


 268.7528, 0.3544,
0.4367

 34.3992, 0.3732,
0.5418


 34.3992, 0.3732,
0.5418


 34.3958, 0.3732,
0.5419

 34.8043, 0.3753,
0.5331

 35.2608, 0.3755,
0.5206

 35.7845, 0.3731,
0.5035

 36.3821, 0.3684,
0.4824

 37.0596, 0.3615,
0.4583

■ 37.8219, 0.3531,
0.4323

■ 38.6737, 0.3435,
0.4055

■ 39.6193, 0.3333,
0.3789

■ 40.6626, 0.3229,
0.3531

Harmonies

Analogous

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



34.3992, 0.4673, 0.4814



34.3992, 0.3732, 0.5418



34.3992, 0.2702, 0.5219

Triad

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



34.3992, 0.3732, 0.5418



34.3992, 0.1313, 0.1985



34.3992, 0.4430, 0.2594

Complementary

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



34.3992, 0.3732, 0.5418



3.6088, 0.1668, 0.0693

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.



34.3992, 0.3224, 0.2048



34.3992, 0.3732, 0.5418



34.3992, 0.1577, 0.1695

Square

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



34.3992, 0.3732, 0.5418



34.3992, 0.1381, 0.2737



34.3992, 0.2203, 0.1733



34.3992, 0.5248, 0.3274

Rectangle

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



34.3992, 0.3732, 0.5418



34.3992, 0.2090, 0.4481



34.3992, 0.2203, 0.1733



34.3992, 0.4039, 0.2391

Sweetspot

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



34.4007, 0.3732, 0.5418



69.1524, 0.3442, 0.4073



10.6437, 0.6066, 0.3564



14.8901, 0.3482, 0.4182



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.4007, 0.3732, 0.5418



61.4857, 0.3724, 0.5425



30.4129, 0.3105, 0.5916



9.2213, 0.3223, 0.3517



25.2956, 0.3737, 0.5415



0.7285, 0.3882, 0.5299

Inverse Universe

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



3.6088, 0.1668, 0.0693



6.3572, 0.1653, 0.0684



7.7530, 0.2587, 0.1200



7.8566, 0.3025, 0.3058



2.6692, 0.1676, 0.0697



0.1011, 0.2011, 0.0881

Previews

White Background



This preview shows how the Yxy color 34.3992, 0.3732, 0.5418 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 34.3992, 0.3732, 0.5418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

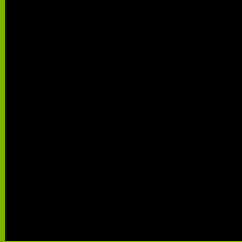
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3992, 0.3732, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 34.3992, 0.3732, 0.5418.



This preview shows how white text looks on a background with the Yxy color 34.3992, 0.3732, 0.5418.

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

34.3992, 0.3732, 0.5418

Protanopia

33.9187, 0.4405, 0.4885

Deuteranopia

34.0591, 0.4636, 0.4548



Tritanopia

34.3854, 0.2854, 0.3095

Trichromacy



Original Color

34.3992, 0.3732, 0.5418

Protanomaly

33.5653, 0.4151, 0.5086

Deuteranomaly

33.3885, 0.4318, 0.4873

Tritanomaly

33.3763, 0.3326, 0.4167

Monochromacy



Original Color

34.3992, 0.3732, 0.5418

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.3286, 0.3539, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3992, 0.3732, 0.5418 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(127, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 173, 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(127, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.3992, 0.3732, 0.5418 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(127, 173, 0) }
```

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

```
.border{ border-color:rgb(127, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(127, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3992, 0.3732, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 173, 0) }
```

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

```
.background{ background-color: rgb(127,  
173, 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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