

Converting Colors

$Y_{xy}(34.4130, 0.3670, 0.5335)$

Have a look what the booklet for
Yxy(34.4130, 0.3670, 0.5335)
contains.

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Color

Yxy(34.3262, 0.3668, 0.5335)

Conversions

Conversions Part 1

Format	Color
Hex	7DAD1B
RGB	125, 173, 27
RGB Percent	49%, 68%, 11%
CMY	0.5097, 0.3216, 0.8943
CMYK	0.28, 0.00, 0.84, 0.32
HSL	80°, 73%, 39%
HSV	80°, 84%, 68%
XYZ	23.6005, 34.3262, 6.4148
YIQ	142.0040, 18.2580, -55.5820

Conversions

Conversions Part 2

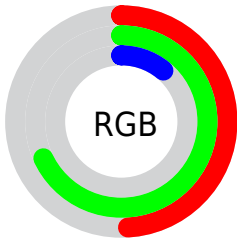
Format	Color
RYB	27, 173, 75
Decimal	8236315
CIELab	65.22, -35.82, 62.21
CIElCh	65, 71.790, 119.934
Yxy	34.3262, 0.3668, 0.5335
Android (android.graphics.Color)	4286426395 (0xFF7DAD1B)
YUV	142.0040, -56.6970, -14.9125
Hunter-Lab	58.5886, -30.6272, 34.5203

Details

The Yxy color **34.3262, 0.3668, 0.5335** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2914, 0.1930, 0.0943**, and the grayscale version is **27.2752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6718, 0.3632, 0.4938**, and **14.7350, 0.3510, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **33.8543, 0.3646, 0.5450**, and if you desaturate by 10%, it is **34.8727, 0.3666, 0.5172**.

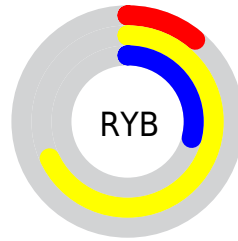
Distribution



Red (49%)

Green (68%)

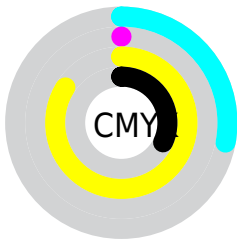
Blue (11%)



Red (11%)

Yellow (68%)

Blue (29%)

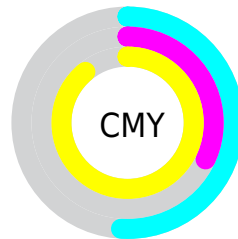


Cyan (28%)

Magenta (0%)

Yellow (84%)

Black (32%)



Cyan (51%)

Magenta (32%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3262, 0.3668, 0.5335 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 34.3262, 0.3668, 0.5335 by changing the saturation by 10% instead.


 34.3262, 0.3668,
0.5335


 34.3262, 0.3668,
0.5335


321.5841, 0.3478,
0.4248


 23.1443, 0.3668,
0.5600


 66.4406, 0.3629,
0.4938


 14.7001, 0.3633,
0.5921


 88.1419, 0.3605,
0.4788

 8.6092, 0.3585,
0.6415


 114.1185, 0.3580,
0.4661

 4.4872, 0.3260,
0.6740

 144.7547, 0.3557,
0.4554

 1.9496, 0.2716,
0.7284

 180.4350, 0.3535,
0.4461

 0.5780, 0.0000,
1.0000

 221.5437, 0.3514,

 0.0000, 0.0000,

0.4381

0.0000

268.4653, 0.3495,
0.4310

■ 34.3262, 0.3668,
0.5335

■ 34.3262, 0.3668,
0.5335

■ 33.8543, 0.3646,
0.5450

■ 34.8727, 0.3666,
0.5172

■ 33.6119, 0.3628,
0.5501

■ 35.4969, 0.3639,
0.4966

■ 36.2066, 0.3591,
0.4725

■ 37.0075, 0.3524,
0.4462

■ 37.9045, 0.3444,
0.4188

■ 38.9023, 0.3355,
0.3914

■ 40.0051, 0.3262,
0.3649

■ 41.2169, 0.3168,
0.3396

■ 42.5413, 0.3076,
0.3161

Harmonies

Analogous

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



34.3262, 0.4579, 0.4814



34.3262, 0.3668, 0.5335



34.3262, 0.2677, 0.5061

Triad

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



34.3262, 0.3668, 0.5335



34.3262, 0.1383, 0.2015



34.3262, 0.4431, 0.2664

Complementary

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



34.3262, 0.3668, 0.5335



5.2914, 0.1930, 0.0943

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.



34.3262, 0.3292, 0.2122



34.3262, 0.3668, 0.5335



34.3262, 0.1661, 0.1749

Square

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



34.3262, 0.3668, 0.5335



34.3262, 0.1434, 0.2714



34.3262, 0.2293, 0.1801



34.3262, 0.5173, 0.3332

Rectangle

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



34.3262, 0.3668, 0.5335



34.3262, 0.2096, 0.4339



34.3262, 0.2293, 0.1801



34.3262, 0.4066, 0.2464

Sweetspot

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



34.3277, 0.3668, 0.5335



69.4825, 0.3365, 0.3942



13.7541, 0.5473, 0.3797



14.9653, 0.3395, 0.4034



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.



34.3277, 0.3668, 0.5335



60.0756, 0.3619, 0.5509



30.7428, 0.3113, 0.5748



9.1964, 0.3214, 0.3517



24.7248, 0.3634, 0.5496



0.7158, 0.3810, 0.5357

Inverse Universe

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



5.2914, 0.1930, 0.0943



6.8482, 0.1727, 0.0725



9.9300, 0.2826, 0.1415



7.8802, 0.3035, 0.3059



2.8801, 0.1753, 0.0739



0.1103, 0.2115, 0.0939

Previews

White Background



This preview shows how the Yxy color 34.3262, 0.3668, 0.5335 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 34.3262, 0.3668, 0.5335 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 34.3262, 0.3668, 0.5335

Background



This preview shows how black text looks on a background with the Yxy color 34.3262, 0.3668, 0.5335.



This preview shows how white text looks on a background with the Yxy color 34.3262, 0.3668, 0.5335.

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

34.3262, 0.3668, 0.5335

Protanopia

33.9806, 0.4362, 0.4822

Deuteranopia

33.9786, 0.4588, 0.4506



Tritanopia

34.2085, 0.2837, 0.3094

Trichromacy



Original Color

34.3262, 0.3668, 0.5335

Protanomaly

33.6313, 0.4108, 0.5013

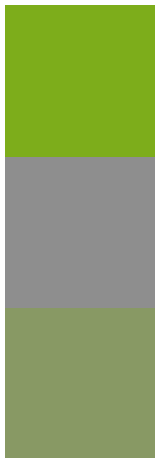
Deuteranomaly

33.2390, 0.4245, 0.4809

Tritanomaly

33.4416, 0.3223, 0.4007

Monochromacy



Original Color

34.3262, 0.3668, 0.5335

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9368, 0.3447, 0.4184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3262, 0.3668, 0.5335 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(125, 173, 27)` looks like.

```
.text, #text, p{  
    color:rgb(125, 173, 27)  
}
```

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(125, 173, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 173, 27) }
```

Border

The CSS property to change the border of an element to Yxy 34.3262, 0.3668, 0.5335 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(125, 173, 27) }
```

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

```
.border{ border-color:rgb(125, 173, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 173, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 173, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 173, 27);  
box-shadow:4px 4px 4px 4px rgb(125, 173,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3262, 0.3668, 0.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 173, 27) }
```

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

```
.background{ background-color: rgb(125,  
173, 27) }
```

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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