

Converting Colors

$Y_{xy}(35.8965, 0.3407, 0.4327)$

Have a look what the booklet for
Yxy(35.8965, 0.3407, 0.4327)
contains.

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Color

Yxy(35.8965, 0.3407, 0.4327)

Conversions

Conversions Part 1	
Format	Color
Hex	8EAB69
RGB	142, 171, 105
RGB Percent	56%, 67%, 41%
CMY	0.4432, 0.3294, 0.5883
CMYK	0.17, 0.00, 0.39, 0.33
HSL	86°, 28%, 54%
HSV	86°, 39%, 67%
XYZ	28.2642, 35.8965, 18.7986
YIQ	154.8050, 3.9020, -26.6740

Conversions

Conversions Part 2

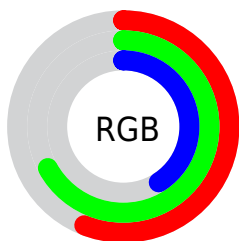
Format	Color
RYB	105, 171, 134
Decimal	9349993
CIELab	66.44, -21.61, 30.77
CIELCh	66, 37.604, 125.080
Yxy	35.8965, 0.3407, 0.4327
Android (android.graphics.Color)	4287540073 (0xFF8EAB69)
YUV	154.8050, -24.5539, -11.2300
Hunter-Lab	59.9137, -20.6417, 23.3367

Details

The Yxy color $35.8965, 0.3407, 0.4327$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1101, 0.2738, 0.2230$, and the grayscale version is $32.7952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.6974, 0.3368, 0.4109$, and $15.6528, 0.3458, 0.4696$ is the 20% darker color. If you saturate the color by 10%, you get $34.9384, 0.3463, 0.4613$, and if you desaturate by 10%, it is $36.9734, 0.3341, 0.4041$.

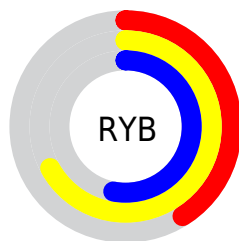
Distribution



Red (56%)

Green (67%)

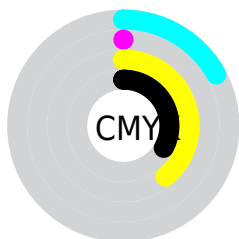
Blue (41%)



Red (41%)

Yellow (67%)

Blue (53%)

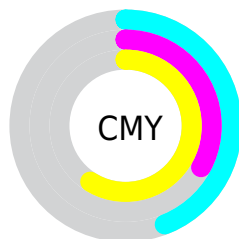


Cyan (17%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (44%)


Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8965, 0.3407, 0.4327 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 35.8965, 0.3407, 0.4327 by changing the saturation by 10% instead.

 35.8965, 0.3407,
0.4327


 35.8965, 0.3407,
0.4327


328.5079, 0.3277,
0.3767


 24.3543, 0.3433,
0.4479


 68.8723, 0.3364,
0.4114

 15.5966, 0.3462,
0.4682


 91.0746, 0.3346,
0.4037

 9.2392, 0.3488,
0.4961


 117.5991, 0.3331,
0.3973

 4.8975, 0.3498,
0.5366

 148.8302, 0.3317,
0.3919

 2.1873, 0.3648,
0.6352

185.1522, 0.3306,
0.3873

 0.7130, 0.1739,
0.8261


226.9496, 0.3295,


 0.0000, 0.0000,


0.3833


0.0000


274.6067, 0.3286,
0.3798


 35.8965, 0.3407,
0.4327

 35.8965, 0.3407,
0.4327


 34.9384, 0.3463,
0.4613

 36.9734, 0.3341,
0.4041


 34.0891, 0.3504,
0.4888

 38.1690, 0.3268,
0.3763


 33.3447, 0.3526,
0.5137


 39.4895, 0.3192,
0.3501

 32.6988, 0.3526,
0.5347


 40.9389, 0.3117,
0.3257


 32.1442, 0.3503,
0.5509


 42.5213, 0.3043,
0.3035


 31.6686, 0.3461,
0.5624

 44.2405, 0.2972,
0.2833

 31.6064, 0.3455,
0.5638

 46.1000, 0.2906,
0.2651

 48.1034, 0.2843,
0.2489

 50.0008, 0.2811,
0.2378

Harmonies

Analogous

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



35.8965, 0.3917, 0.4239



35.8965, 0.3407, 0.4327



35.8965, 0.2848, 0.4055

Triad

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



35.8965, 0.3407, 0.4327



35.8965, 0.2123, 0.2561



35.8965, 0.3893, 0.3032

Complementary

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



35.8965, 0.3407, 0.4327



18.1101, 0.2738, 0.2230

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.



35.8965, 0.3340, 0.2669



35.8965, 0.3407, 0.4327



35.8965, 0.2342, 0.2396

Square

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



35.8965, 0.3407, 0.4327



35.8965, 0.2137, 0.2951



35.8965, 0.2771, 0.2442



35.8965, 0.4229, 0.3468

Rectangle

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



35.8965, 0.3407, 0.4327



35.8965, 0.2523, 0.3708



35.8965, 0.2771, 0.2442



35.8965, 0.3723, 0.2900

Sweetspot

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



35.8981, 0.3407, 0.4327



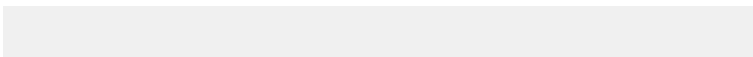
69.8361, 0.3220, 0.3593



26.6171, 0.3892, 0.3725



15.5072, 0.3229, 0.3626



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.



35.8981, 0.3407, 0.4327



62.8583, 0.3454, 0.4562



33.4250, 0.3110, 0.4429



9.1523, 0.3198, 0.3519



23.8550, 0.3462, 0.5633



0.6953, 0.3683, 0.5457

Inverse Universe

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



18.1101, 0.2738, 0.2230



26.6149, 0.2631, 0.1983



21.2133, 0.3118, 0.2341



7.9231, 0.3052, 0.3060



3.3802, 0.1927, 0.0835



0.1268, 0.2290, 0.1035

Previews

White Background



This preview shows how the Yxy color 35.8965, 0.3407, 0.4327 looks on a white background.

Color Contrast Check

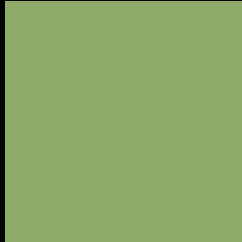
Large Text (above 18pt) WCAG AA × Fail

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 35.8965, 0.3407, 0.4327 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 35.8965, 0.3407, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 35.8965, 0.3407, 0.4327.



This preview shows how white text looks on a background with the Yxy color 35.8965, 0.3407, 0.4327.

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

35.8965, 0.3407, 0.4327

Protanopia

35.6594, 0.3832, 0.4141

Deuteranopia

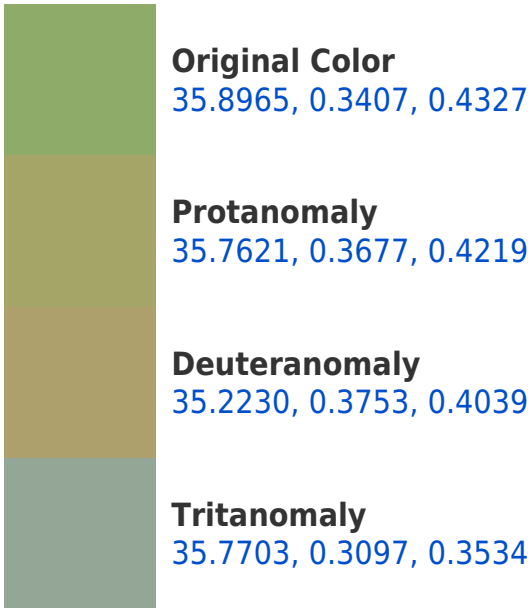
35.5528, 0.3978, 0.3895



Tritanopia

35.9649, 0.2926, 0.3115

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8965, 0.3407, 0.4327 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(142, 171, 105)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 105)  
}
```

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(142, 171, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 105) }
```

Border

The CSS property to change the border of an element to Yxy 35.8965, 0.3407, 0.4327 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(142, 171, 105) }
```

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

```
.border{ border-color:rgb(142, 171, 105) }
```

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

Here you see how a box with a 4 pixel rgb(142, 171, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 105);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8965, 0.3407, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 105) }
```

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

```
.background{ background-color: rgb(142,  
171, 105) }
```

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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