

Converting Colors

$Y_{xy}(35.7558, 0.3671, 0.4233)$

Have a look what the booklet for
Yxy(35.7558, 0.3671, 0.4233)
contains.

Yxy(35.6364, 0.3675, 0.4237)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.6364, 0.3675, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	A3A565
RGB	163, 165, 101
RGB Percent	64%, 65%, 40%
CMY	0.3608, 0.3529, 0.6039
CMYK	0.01, 0.00, 0.39, 0.35
HSL	62°, 26%, 52%
HSV	62°, 39%, 65%
XYZ	30.9096, 35.6364, 17.5617
YIQ	157.1060, 19.3520, -20.3280

Conversions

Conversions Part 2

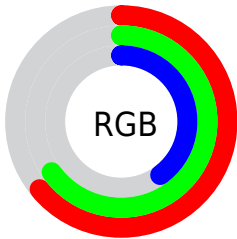
Format	Color
RYB	101, 165, 103
Decimal	10724709
CIELab	66.24, -10.65, 32.93
CIELCh	66, 34.607, 107.922
Yxy	35.6364, 0.3675, 0.4237
Android (android.graphics.Color)	4288914789 (0xFFA3A565)
YUV	157.1060, -27.6603, 5.1690
Hunter-Lab	59.6962, -12.0446, 24.3452

Details

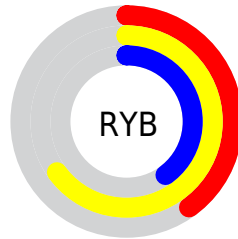
The Yxy color **35.6364, 0.3675, 0.4237** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9081, 0.2451, 0.2144**, and the grayscale version is **33.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5464, 0.3577, 0.4049**, and **15.3732, 0.3826, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **35.2922, 0.3803, 0.4462**, and if you desaturate by 10%, it is **36.0490, 0.3537, 0.3996**.

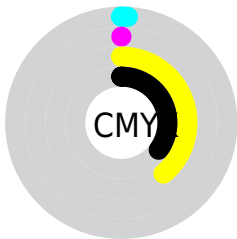
Distribution



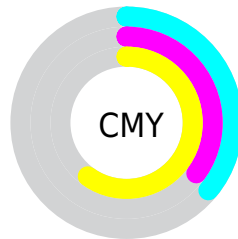
- Red (64%)
- Green (65%)
- Blue (40%)



- Red (40%)
- Yellow (65%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (39%)
- Black (35%)




- Cyan (36%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6364, 0.3675, 0.4237 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 35.6364, 0.3675, 0.4237 by changing the saturation by 10% instead.

 35.6364, 0.3675,
0.4237


 35.6364, 0.3675,
0.4237


327.3685, 0.3402,
0.3738


 24.1535, 0.3740,
0.4367


 68.4705, 0.3578,
0.4051


 15.4475, 0.3818,
0.4536


 90.5905, 0.3540,
0.3982

 9.1341, 0.3914,
0.4762


 117.0250, 0.3509,
0.3925

 4.8287, 0.4023,
0.5072

 148.1583, 0.3481,
0.3876

 2.1471, 0.4280,
0.5720

184.3750, 0.3457,
0.3834

 0.6909, 0.3648,
0.6352

226.0593, 0.3437,

 0.0000, 0.0000,

0.3798

0.0000

273.5957, 0.3418,
0.3766

■ 35.6364, 0.3675,
0.4237

■ 35.6364, 0.3675,
0.4237

■ 35.2922, 0.3803,
0.4462

■ 36.0490, 0.3537,
0.3996

■ 35.0076, 0.3915,
0.4663

■ 36.5287, 0.3394,
0.3748

■ 34.7800, 0.4007,
0.4829


■ 37.0805, 0.3250,
0.3501


■ 34.6043, 0.4074,
0.4956

■ 37.7075, 0.3111,
0.3262

■ 34.4750, 0.4116,
0.5041


■ 38.4125, 0.2977,
0.3034

 34.3810, 0.4137,
0.5090

 39.1984, 0.2852,
0.2821

 34.3702, 0.4140,
0.5095

 40.0679, 0.2736,
0.2624

 41.0233, 0.2629,
0.2444

 42.0671, 0.2532,
0.2280

Harmonies

Analogous

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



35.6364, 0.4055, 0.4015



35.6364, 0.3675, 0.4237



35.6364, 0.3166, 0.4174

Triad

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



35.6364, 0.3675, 0.4237



35.6364, 0.2173, 0.2801



35.6364, 0.3556, 0.2846

Complementary

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



35.6364, 0.3675, 0.4237



14.9081, 0.2451, 0.2144

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.



35.6364, 0.3016, 0.2572



35.6364, 0.3675, 0.4237



35.6364, 0.2255, 0.2524

Square

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



35.6364, 0.3675, 0.4237



35.6364, 0.2317, 0.3265



35.6364, 0.2548, 0.2453



35.6364, 0.3999, 0.3224

Rectangle

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



35.6364, 0.3675, 0.4237



35.6364, 0.2826, 0.3951



35.6364, 0.2548, 0.2453



35.6364, 0.3377, 0.2740

Sweetspot

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



35.6380, 0.3675, 0.4237



66.0526, 0.3299, 0.3585



18.4557, 0.4057, 0.3310



14.4139, 0.3317, 0.3615



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



35.6380, 0.3675, 0.4237



63.2566, 0.3792, 0.4443



32.7511, 0.3359, 0.4346



8.2260, 0.3257, 0.3512



26.0049, 0.4140, 0.5095



0.5497, 0.4161, 0.5078

Inverse Universe

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



14.9081, 0.2451, 0.2144



20.5519, 0.2262, 0.1829



17.0987, 0.2795, 0.2245



6.8700, 0.2991, 0.3058



2.0844, 0.1513, 0.0607



0.0468, 0.1573, 0.0640

Previews

White Background



This preview shows how the Yxy color 35.6364, 0.3675, 0.4237 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 35.6364, 0.3675, 0.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

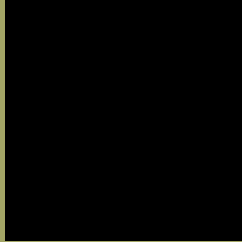
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6364, 0.3675, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 35.6364, 0.3675, 0.4237.



This preview shows how white text looks on a background with the Yxy color 35.6364, 0.3675, 0.4237.

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

35.6364, 0.3675, 0.4237

Protanopia

35.6207, 0.3850, 0.4168

Deuteranopia

35.5800, 0.4037, 0.3956



Tritanopia

35.6364, 0.3154, 0.3121

Trichromacy



Original Color

35.6364, 0.3675, 0.4237

Protanomaly

35.4187, 0.3783, 0.4185

Deuteranomaly

35.5003, 0.3905, 0.4053

Tritanomaly

35.4801, 0.3352, 0.3524

Monochromacy



Original Color

35.6364, 0.3675, 0.4237

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3187, 0.3327, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6364, 0.3675, 0.4237 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(163, 165, 101)` looks like.

```
.text, #text, p{  
    color:rgb(163, 165, 101)  
}
```

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(163, 165, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 165, 101) }
```

Border

The CSS property to change the border of an element to Yxy 35.6364, 0.3675, 0.4237 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(163, 165, 101) }
```

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

```
.border{ border-color:rgb(163, 165, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 165, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 165, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 165, 101);  
box-shadow:4px 4px 4px 4px rgb(163, 165,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6364, 0.3675, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 165, 101) }
```

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

```
.background{ background-color: rgb(163,  
165, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor