

Converting Colors

$Yxy(35.1666, 0.3870, 0.4456)$

Have a look what the booklet for
Yxy(35.1666, 0.3870, 0.4456)
contains.

Yxy(35.2671, 0.3865, 0.4466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(35.2671, 0.3865, 0.4466)$

Conversions

Conversions Part 1

Format	Color
Hex	A6A452
RGB	166, 164, 82
RGB Percent	65%, 64%, 32%
CMY	0.3491, 0.3568, 0.6785
CMYK	0.00, 0.01, 0.51, 0.35
HSL	59°, 34%, 49%
HSV	59°, 51%, 65%
XYZ	30.5211, 35.2671, 13.1798
YIQ	155.2500, 27.5140, -25.0780

Conversions

Conversions Part 2

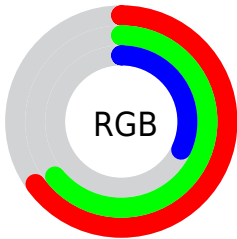
Format	Color
RYB	84, 166, 82
Decimal	10921042
CIELab	65.96, -10.87, 42.37
CIELCh	66, 43.741, 104.385
Yxy	35.2671, 0.3865, 0.4466
Android (android.graphics.Color)	4289111122 (0xFFA6A452)
YUV	155.2500, -36.1123, 9.4277
Hunter-Lab	59.3861, -12.1867, 28.4119

Details

The Yxy color **35.2671, 0.3865, 0.4466** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.8813, 0.2187, 0.1759**, and the grayscale version is **33.0483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0722, 0.3739, 0.4237**, and **15.1374, 0.4045, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **34.9067, 0.3985, 0.4653**, and if you desaturate by 10%, it is **35.6923, 0.3729, 0.4252**.

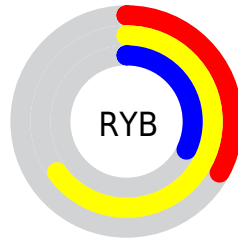
Distribution



Red (65%)

Green (64%)

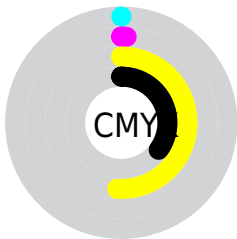
Blue (32%)



Red (33%)

Yellow (65%)

Blue (32%)

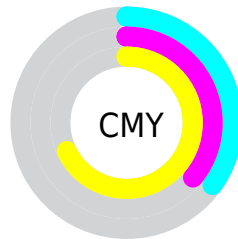


Cyan (0%)

Magenta (1%)

Yellow (51%)

Black (35%)



Cyan (35%)


Magenta (36%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2671, 0.3865, 0.4466 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 35.2671, 0.3865, 0.4466 by changing the saturation by 10% instead.

 35.2671, 0.3865,
0.4466


 35.2671, 0.3865,
0.4466


325.7457, 0.3504,
0.3854

 23.8687, 0.3945,
0.4619


 67.8993, 0.3740,
0.4241

 15.2362, 0.4038,
0.4812

 89.9020, 0.3690,
0.4157


 8.9854, 0.4139,
0.5055


 116.2081, 0.3648,
0.4086

 4.7316, 0.4326,
0.5481

 147.2022, 0.3612,
0.4026

 2.0907, 0.4262,
0.5738

 183.2686, 0.3580,
0.3974

 0.6594, 0.3541,
0.6459

224.7918, 0.3551,

 0.0000, 0.0000,

0.3929

0.0000

272.1560, 0.3526,
0.3889

■ 35.2671, 0.3865,
0.4466

■ 35.2671, 0.3865,
0.4466

■ 34.9067, 0.3985,
0.4653

■ 35.6923, 0.3729,
0.4252

■ 34.6018, 0.4083,
0.4804

■ 36.1814, 0.3583,
0.4021

■ 34.3488, 0.4158,
0.4915

■ 36.7398, 0.3433,
0.3780

■ 34.1418, 0.4206,
0.4984

■ 37.3709, 0.3282,
0.3539

■ 33.9763, 0.4234,
0.5020

■ 38.0779, 0.3136,
0.3304

■ 38.8637, 0.2996,
0.3079

■ 39.7313, 0.2866,
0.2868

■ 40.6832, 0.2745,
0.2672

■ 41.7221, 0.2634,
0.2492

Harmonies

Analogous

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



35.2671, 0.4324, 0.4123



35.2671, 0.3865, 0.4466



35.2671, 0.3235, 0.4467

Triad

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



35.2671, 0.3865, 0.4466



35.2671, 0.1956, 0.2717



35.2671, 0.3585, 0.2690

Complementary

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



35.2671, 0.3865, 0.4466



10.8813, 0.2187, 0.1759

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.



35.2671, 0.2902, 0.2380



35.2671, 0.3865, 0.4466



35.2671, 0.2025, 0.2358

Square

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



35.2671, 0.3865, 0.4466



35.2671, 0.2154, 0.3325



35.2671, 0.2348, 0.2256



35.2671, 0.4183, 0.3133

Rectangle

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



35.2671, 0.3865, 0.4466



35.2671, 0.2807, 0.4212



35.2671, 0.2348, 0.2256



35.2671, 0.3354, 0.2569

Sweetspot

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



35.2687, 0.3865, 0.4466



67.2894, 0.3352, 0.3652



14.7913, 0.4478, 0.3251



15.0065, 0.3383, 0.3701



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



35.2687, 0.3865, 0.4466



63.2774, 0.4001, 0.4678



32.3702, 0.3449, 0.4677



8.7432, 0.3263, 0.3508



26.3638, 0.4234, 0.5020



0.6505, 0.4219, 0.5032

Inverse Universe

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



10.8813, 0.2187, 0.1759



13.8257, 0.1954, 0.1374



12.8648, 0.2608, 0.1884



7.3277, 0.2986, 0.3062



2.2103, 0.1505, 0.0619



0.0623, 0.1530, 0.0706

Previews

White Background



This preview shows how the Yxy color 35.2671, 0.3865, 0.4466 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 35.2671, 0.3865, 0.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

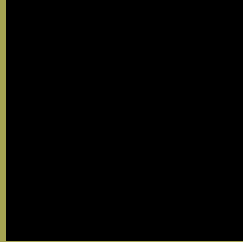
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2671, 0.3865, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 35.2671, 0.3865, 0.4466.



This preview shows how white text looks on a background with the Yxy color 35.2671, 0.3865, 0.4466.

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

35.2671, 0.3865, 0.4466

Protanopia

35.0828, 0.4017, 0.4378

Deuteranopia

35.1741, 0.4238, 0.4164



Tritanopia

35.3467, 0.3214, 0.3123

Trichromacy



Original Color

35.2671, 0.3865, 0.4466

Protanomaly

34.9681, 0.3967, 0.4409

Deuteranomaly

35.0683, 0.4100, 0.4271

Tritanomaly

35.0019, 0.3474, 0.3610

Monochromacy



Original Color

35.2671, 0.3865, 0.4466

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.3832, 0.3416, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2671, 0.3865, 0.4466 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(166, 164, 82)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 82)  
}
```

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(166, 164, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 82) }
```

Border

The CSS property to change the border of an element to Yxy 35.2671, 0.3865, 0.4466 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(166, 164, 82) }
```

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

```
.border{ border-color:rgb(166, 164, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 164, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 82);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2671, 0.3865, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 82) }
```

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

```
.background{ background-color: rgb(166,  
164, 82) }
```

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