

Converting Colors

Yxy(36.0166, 0.3358, 0.4370)

Have a look what the booklet for
Yxy(36.0166, 0.3358, 0.4370)
contains.

Yxy(36.2254, 0.3354, 0.4368)	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

Yxy(36.2254, 0.3354, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	89AD69
RGB	137, 173, 105
RGB Percent	54%, 68%, 41%
CMY	0.4626, 0.3216, 0.5882
CMYK	0.21, 0.00, 0.39, 0.32
HSL	92°, 29%, 55%
HSV	92°, 39%, 68%
XYZ	27.8159, 36.2254, 18.8923
YIQ	154.4840, 0.3720, -28.7800

Conversions

Conversions Part 2

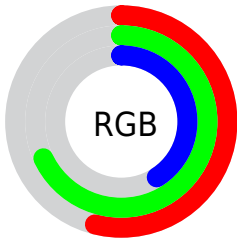
Format	Color
RYB	105, 173, 141
Decimal	9022825
CIELab	66.69, -24.47, 31.02
CIELCh	67, 39.510, 128.264
Yxy	36.2254, 0.3354, 0.4368
Android (android.graphics.Color)	4287212905 (0xFF89AD69)
YUV	154.4840, -24.3956, -15.3335
Hunter-Lab	60.1875, -22.8336, 23.5207

Details

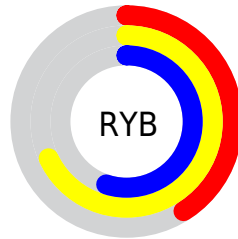
The Yxy color **36.2254, 0.3354, 0.4368** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7801, 0.2797, 0.2229**, and the grayscale version is **32.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5493, 0.3318, 0.4151**, and **15.6498, 0.3387, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **35.1658, 0.3395, 0.4667**, and if you desaturate by 10%, it is **37.4261, 0.3303, 0.4071**.

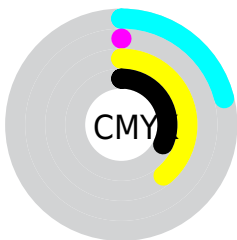
Distribution



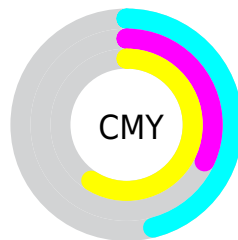
- Red (54%)
- Green (68%)
- Blue (41%)



- Red (41%)
- Yellow (68%)
- Blue (55%)



- Cyan (21%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)



- Cyan (46%)
- Magenta (32%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2254, 0.3354, 0.4368 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 36.2254, 0.3354, 0.4368 by changing the saturation by 10% instead.


 36.2254, 0.3354,
0.4368


 36.2254, 0.3354,
0.4368


329.9447, 0.3254,
0.3784

 24.6083, 0.3372,
0.4528


 69.3798, 0.3322,
0.4145


 15.7855, 0.3389,
0.4740


 91.6860, 0.3309,
0.4065

 9.3725, 0.3399,
0.5035


 118.3239, 0.3297,
0.3998

 4.9849, 0.3385,
0.5463

 149.6781, 0.3286,
0.3942

 2.2384, 0.3491,
0.6509

186.1328, 0.3277,
0.3894

 0.7408, 0.1260,
0.8740

228.0726, 0.3268,

 0.0000, 0.0000,

0.3852

0.0000

275.8817, 0.3261,
0.3816

■ 36.2254, 0.3354,
0.4368

■ 36.2254, 0.3354,
0.4368

■ 35.1658, 0.3395,
0.4667

■ 37.4261, 0.3303,
0.4071

■ 34.2365, 0.3421,
0.4955

■ 38.7687, 0.3245,
0.3786

■ 33.4325, 0.3428,
0.5217


■ 40.2600, 0.3185,
0.3519


■ 32.7465, 0.3416,
0.5439


■ 41.9051, 0.3123,
0.3274

■ 32.1701, 0.3383,
0.5609


■ 43.7086, 0.3062,
0.3050


 31.6886, 0.3334,
0.5729

 45.6751, 0.3004,
0.2849

 31.6573, 0.3331,
0.5737

 47.8087, 0.2948,
0.2670

 50.1137, 0.2896,
0.2510

 52.2214, 0.2886,
0.2418

Harmonies

Analogous

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



36.2254, 0.3901, 0.4307



36.2254, 0.3354, 0.4368



36.2254, 0.2774, 0.4044

Triad

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



36.2254, 0.3354, 0.4368



36.2254, 0.2094, 0.2498



36.2254, 0.3981, 0.3065

Complementary

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



36.2254, 0.3354, 0.4368



18.7801, 0.2797, 0.2229

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.



36.2254, 0.3415, 0.2677



36.2254, 0.3354, 0.4368



36.2254, 0.2345, 0.2353

Square

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



36.2254, 0.3354, 0.4368



36.2254, 0.2082, 0.2878



36.2254, 0.2812, 0.2424



36.2254, 0.4299, 0.3521

Rectangle

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



36.2254, 0.3354, 0.4368



36.2254, 0.2448, 0.3663



36.2254, 0.2812, 0.2424



36.2254, 0.3810, 0.2925

Sweetspot

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



36.2270, 0.3354, 0.4368



71.3050, 0.3202, 0.3595



28.6987, 0.3878, 0.3814



15.4229, 0.3210, 0.3628



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.



36.2270, 0.3354, 0.4368



63.2518, 0.3389, 0.4623



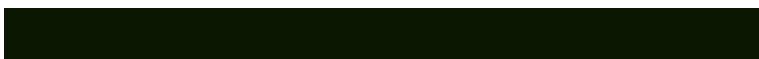
33.9317, 0.3064, 0.4447



9.1174, 0.3185, 0.3519



23.2926, 0.3339, 0.5731



0.6807, 0.3586, 0.5535

Inverse Universe

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



18.7801, 0.2797, 0.2229



27.6597, 0.2703, 0.1982



21.9613, 0.3185, 0.2354



7.9578, 0.3065, 0.3061



3.9023, 0.2096, 0.0928



0.1408, 0.2427, 0.1111

Previews

White Background



This preview shows how the Yxy color 36.2254, 0.3354, 0.4368 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 36.2254, 0.3354, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

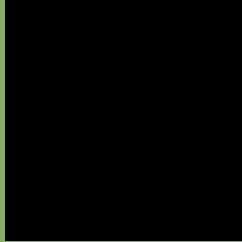
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2254, 0.3354, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 36.2254, 0.3354, 0.4368.



This preview shows how white text looks on a background with the Yxy color 36.2254, 0.3354, 0.4368.

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

36.2254, 0.3354, 0.4368

Protanopia

36.0104, 0.3826, 0.4154

Deuteranopia

36.0162, 0.3982, 0.3905



Tritanopia

36.0211, 0.2876, 0.3099

Trichromacy



Original Color

36.2254, 0.3354, 0.4368

Protanomaly

35.9131, 0.3651, 0.4239

Deuteranomaly

35.8076, 0.3733, 0.4067

Tritanomaly

35.8011, 0.3052, 0.3535

Monochromacy



Original Color

36.2254, 0.3354, 0.4368

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.5632, 0.3224, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2254, 0.3354, 0.4368 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(137, 173, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 173, 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(137, 173, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 173, 105) }
```

Border

The CSS property to change the border of an element to Yxy 36.2254, 0.3354, 0.4368 is called "border". The border property can be set on classes, ids or directly on the HTML element.

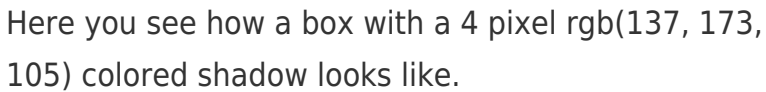
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 173, 105) }
```

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

```
.border{ border-color:rgb(137, 173, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 173, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 173, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 173, 105);  
box-shadow:4px 4px 4px 4px rgb(137, 173,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2254, 0.3354, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 173, 105) }
```

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

```
.background{ background-color: rgb(137,  
173, 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](#).

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