

Converting Colors

$Yxy(34.8453, 0.3684, 0.4755)$

Have a look what the booklet for
Yxy(34.8453, 0.3684, 0.4755)
contains.

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Color

Yxy(34.8636, 0.3687, 0.4754)

Conversions

Conversions Part 1

Format	Color
Hex	91A948
RGB	145, 169, 72
RGB Percent	57%, 66%, 28%
CMY	0.4312, 0.3373, 0.7177
CMYK	0.14, 0.00, 0.57, 0.34
HSL	75°, 40%, 47%
HSV	75°, 57%, 66%
XYZ	27.0387, 34.8636, 11.4330
YIQ	150.7660, 16.8330, -35.2550

Conversions

Conversions Part 2

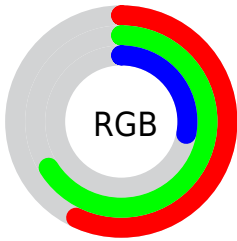
Format	Color
RYB	72, 169, 96
Decimal	9546056
CIELab	65.64, -23.07, 46.41
CIELCh	66, 51.824, 116.428
Yxy	34.8636, 0.3687, 0.4754
Android (android.graphics.Color)	4287736136 (0xFF91A948)
YUV	150.7660, -38.8316, -5.0568
Hunter-Lab	59.0454, -21.5888, 29.8515

Details

The Yxy color **34.8636, 0.3687, 0.4754** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9822, 0.2270, 0.1585**, and the grayscale version is **31.0085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1841, 0.3608, 0.4457**, and **15.0449, 0.3771, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **34.3017, 0.3743, 0.4969**, and if you desaturate by 10%, it is **35.5032, 0.3611, 0.4511**.

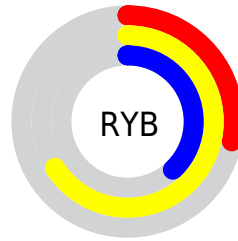
Distribution



Red (57%)

Green (66%)

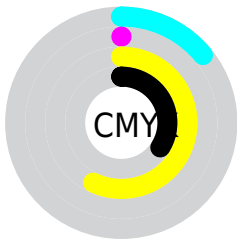
Blue (28%)



Red (28%)

Yellow (66%)

Blue (38%)

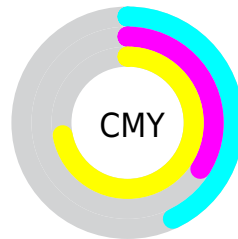


Cyan (14%)

Magenta (0%)

Yellow (57%)

Black (34%)



Cyan (43%)


Magenta (34%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8636, 0.3687, 0.4754 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 34.8636, 0.3687, 0.4754 by changing the saturation by 10% instead.


 34.8636, 0.3687,
0.4754


 34.8636, 0.3687,
0.4754


323.9659, 0.3434,
0.3973


 23.5578, 0.3732,
0.4956


 67.2744, 0.3606,
0.4463


 15.0059, 0.3773,
0.5213


 89.1482, 0.3572,
0.4355


 8.8236, 0.3795,
0.5543


 115.3135, 0.3542,
0.4265

 4.6263, 0.3862,
0.6138

 146.1547, 0.3515,
0.4189

 2.0297, 0.3528,
0.6472

 182.0561, 0.3491,
0.4123

 0.6246, 0.0467,
0.9533

223.4022, 0.3470,

 0.0000, 0.0000,

0.4066

0.0000

270.5773, 0.3451,
0.4017

■ 34.8636, 0.3687,
0.4754

■ 34.8636, 0.3687,
0.4754

■ 34.3017, 0.3743,
0.4969

■ 35.5032, 0.3611,
0.4511

■ 33.8075, 0.3777,
0.5147

■ 36.2205, 0.3520,
0.4251

■ 33.3765, 0.3785,
0.5281

■ 37.0212, 0.3419,
0.3986

■ 32.9994, 0.3770,
0.5371

■ 37.9094, 0.3313,
0.3723

■ 32.9058, 0.3765,
0.5392

■ 38.8885, 0.3206,
0.3469

■ 39.9620, 0.3100,
0.3229

■ 41.1331, 0.2999,
0.3006

■ 42.4049, 0.2903,
0.2802

■ 43.7803, 0.2813,
0.2615

Harmonies

Analogous

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



34.8636, 0.4337, 0.4440



34.8636, 0.3687, 0.4754



34.8636, 0.2928, 0.4562

Triad

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



34.8636, 0.3687, 0.4754



34.8636, 0.1768, 0.2400



34.8636, 0.3984, 0.2778

Complementary

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



34.8636, 0.3687, 0.4754



9.9822, 0.2270, 0.1585

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.



34.8636, 0.3170, 0.2357



34.8636, 0.3687, 0.4754



34.8636, 0.1963, 0.2124

Square

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



34.8636, 0.3687, 0.4754



34.8636, 0.1863, 0.2995



34.8636, 0.2442, 0.2123



34.8636, 0.4572, 0.3317

Rectangle

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



34.8636, 0.3687, 0.4754



34.8636, 0.2462, 0.4118



34.8636, 0.2442, 0.2123



34.8636, 0.3721, 0.2621

Sweetspot

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



34.8652, 0.3687, 0.4754



67.9128, 0.3312, 0.3720



17.0194, 0.4605, 0.3630



14.7334, 0.3332, 0.3769



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.



34.8652, 0.3687, 0.4754



61.1722, 0.3755, 0.5024



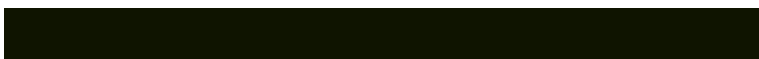
31.4313, 0.3238, 0.4995



8.6791, 0.3226, 0.3516



24.5516, 0.3770, 0.5389



0.6192, 0.3918, 0.5271

Inverse Universe

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



9.9822, 0.2270, 0.1585



12.2878, 0.2044, 0.1210



13.3490, 0.2846, 0.1824



7.3867, 0.3023, 0.3059



2.5197, 0.1656, 0.0686



0.0845, 0.2001, 0.0876

Previews

White Background



This preview shows how the Yxy color 34.8636, 0.3687, 0.4754 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 34.8636, 0.3687, 0.4754 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 34.8636, 0.3687, 0.4754

Background



This preview shows how black text looks on a background with the Yxy color 34.8636, 0.3687, 0.4754.



This preview shows how white text looks on a background with the Yxy color 34.8636, 0.3687, 0.4754.

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

34.8636, 0.3687, 0.4754

Protanopia

34.5731, 0.4114, 0.4501

Deuteranopia

34.4048, 0.4322, 0.4227



Tritanopia

34.9046, 0.3003, 0.3115

Trichromacy



Original Color

34.8636, 0.3687, 0.4754

Protanomaly

34.6359, 0.3948, 0.4602

Deuteranomaly

34.3088, 0.4078, 0.4424

Tritanomaly

34.7160, 0.3279, 0.3720

Monochromacy



Original Color

34.8636, 0.3687, 0.4754

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.2484, 0.3368, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8636, 0.3687, 0.4754 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(145, 169, 72)` looks like.

```
.text, #text, p{  
    color:rgb(145, 169, 72)  
}
```

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(145, 169, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 169, 72) }
```

Border

The CSS property to change the border of an element to Yxy 34.8636, 0.3687, 0.4754 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(145, 169, 72) }
```

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

```
.border{ border-color:rgb(145, 169, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 169, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 169, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 169, 72);  
box-shadow:4px 4px 4px 4px rgb(145, 169,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8636, 0.3687, 0.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 169, 72) }
```

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

```
.background{ background-color: rgb(145,  
169, 72) }
```

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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