

Converting Colors

$Y_{xy}(34.6341, 0.3786, 0.4747)$

Have a look what the booklet for
Yxy(34.6341, 0.3786, 0.4747)
contains.

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Color

Yxy(34.6341, 0.3786, 0.4747)

Conversions

Conversions Part 1

Format	Color
Hex	97A744
RGB	151, 167, 68
RGB Percent	59%, 65%, 27%
CMY	0.4079, 0.3451, 0.7332
CMYK	0.10, 0.00, 0.59, 0.35
HSL	70°, 42%, 46%
HSV	70°, 59%, 65%
XYZ	27.6226, 34.6341, 10.7032
YIQ	150.9300, 22.2430, -34.1810

Conversions

Conversions Part 2

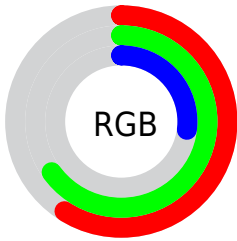
Format	Color
RYB	68, 167, 84
Decimal	9938756
CIELab	65.46, -19.94, 48.15
CIELCh	65, 52.116, 112.497
Yxy	34.6341, 0.3786, 0.4747
Android (android.graphics.Color)	4288128836 (0xFF97A744)
YUV	150.9300, -40.8845, 0.0614
Hunter-Lab	58.8507, -19.2066, 30.4124

Details

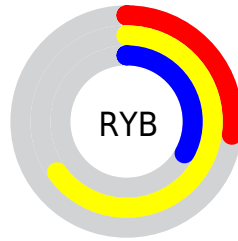
The Yxy color **34.6341, 0.3786, 0.4747** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8166, 0.2149, 0.1491**, and the grayscale version is **31.0879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8640, 0.3686, 0.4461**, and **14.8294, 0.3893, 0.5189** is the 20% darker color. If you saturate the color by 10%, you get **34.2041, 0.3853, 0.4939**, and if you desaturate by 10%, it is **35.1313, 0.3698, 0.4524**.

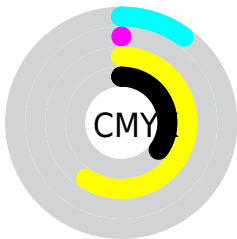
Distribution



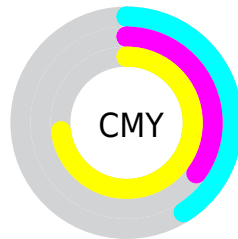
- Red (59%)
- Green (65%)
- Blue (27%)



- Red (27%)
- Yellow (65%)
- Blue (33%)



- Cyan (10%)
- Magenta (0%)
- Yellow (59%)
- Black (35%)





- Cyan (41%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6341, 0.3786, 0.4747 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 34.6341, 0.3786, 0.4747 by changing the saturation by 10% instead.


 34.6341, 0.3786,
0.4747


 34.6341, 0.3786,
0.4747


322.9503, 0.3482,
0.3977

 23.3812, 0.3842,
0.4941


 66.9185, 0.3687,
0.4463

 14.8752, 0.3897,
0.5185


 88.7188, 0.3646,
0.4357

 8.7318, 0.3936,
0.5493


 114.8037, 0.3610,
0.4268

 4.5667, 0.3999,
0.6001

 145.5575, 0.3578,
0.4192

 1.9953, 0.3710,
0.6290

 181.3647, 0.3550,
0.4127

 0.6048, 0.1270,
0.8730

222.6096, 0.3525,

 0.0000, 0.0000,

0.4070

0.0000

269.6767, 0.3503,
0.4021

■ 34.6341, 0.3786,
0.4747

■ 34.6341, 0.3786,
0.4747

■ 34.2041, 0.3853,
0.4939

■ 35.1313, 0.3698,
0.4524

■ 33.8314, 0.3897,
0.5091

■ 35.6955, 0.3594,
0.4280

■ 33.5116, 0.3915,
0.5199

■ 36.3323, 0.3479,
0.4024

■ 33.2327, 0.3913,
0.5271

■ 37.0455, 0.3359,
0.3766

■ 33.2126, 0.3912,
0.5276

■ 37.8386, 0.3238,
0.3514

■ 38.7148, 0.3118,
0.3273

■ 39.6771, 0.3004,
0.3046

■ 40.7285, 0.2895,
0.2835

■ 41.8717, 0.2794,
0.2642

Harmonies

Analogous

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



34.6341, 0.4412, 0.4382



34.6341, 0.3786, 0.4747



34.6341, 0.3025, 0.4634

Triad

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



34.6341, 0.3786, 0.4747



34.6341, 0.1755, 0.2453



34.6341, 0.3889, 0.2710

Complementary

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



34.6341, 0.3786, 0.4747



8.8166, 0.2149, 0.1491

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.



34.6341, 0.3063, 0.2308



34.6341, 0.3786, 0.4747



34.6341, 0.1914, 0.2135

Square

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



34.6341, 0.3786, 0.4747



34.6341, 0.1889, 0.3094



34.6341, 0.2358, 0.2102



34.6341, 0.4530, 0.3241

Rectangle

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



34.6341, 0.3786, 0.4747



34.6341, 0.2543, 0.4229



34.6341, 0.2358, 0.2102



34.6341, 0.3617, 0.2558

Sweetspot

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



34.6357, 0.3786, 0.4747



66.4657, 0.3348, 0.3742



14.8026, 0.4762, 0.3512



14.7892, 0.3382, 0.3815



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.



34.6357, 0.3786, 0.4747



61.0381, 0.3869, 0.4989



30.9227, 0.3309, 0.5011



8.7114, 0.3238, 0.3515



25.4296, 0.3915, 0.5273



0.6346, 0.4013, 0.5196

Inverse Universe

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



8.8166, 0.2149, 0.1491



10.6000, 0.1914, 0.1111



11.8641, 0.2724, 0.1736



7.3567, 0.3010, 0.3058



2.3286, 0.1580, 0.0644



0.0733, 0.1841, 0.0788

Previews

White Background



This preview shows how the Yxy color 34.6341, 0.3786, 0.4747 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 34.6341, 0.3786, 0.4747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

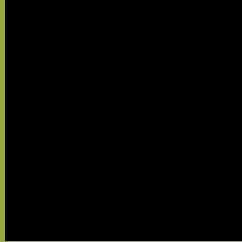
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6341, 0.3786, 0.4747

Background



This preview shows how black text looks on a background with the Yxy color 34.6341, 0.3786, 0.4747.



This preview shows how white text looks on a background with the Yxy color 34.6341, 0.3786, 0.4747.

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

34.6341, 0.3786, 0.4747

Protanopia

34.5367, 0.4135, 0.4532

Deuteranopia

34.3500, 0.4354, 0.4269



Tritanopia

34.6599, 0.3068, 0.3117

Trichromacy



Original Color

34.6341, 0.3786, 0.4747

Protanomaly

34.5707, 0.4008, 0.4606

Deuteranomaly

34.2722, 0.4148, 0.4441

Tritanomaly

34.4248, 0.3361, 0.3731

Monochromacy



Original Color

34.6341, 0.3786, 0.4747

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0737, 0.3401, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6341, 0.3786, 0.4747 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(151, 167, 68)` looks like.

```
.text, #text, p{  
    color:rgb(151, 167, 68)  
}
```

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(151, 167, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 167, 68) }
```

Border

The CSS property to change the border of an element to Yxy 34.6341, 0.3786, 0.4747 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(151, 167, 68) }
```

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

```
.border{ border-color:rgb(151, 167, 68) }
```

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

Here you see how a box with a 4 pixel rgb(151, 167, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 167, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 167, 68);  
box-shadow:4px 4px 4px 4px rgb(151, 167,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6341, 0.3786, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 167, 68) }
```

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

```
.background{ background-color: rgb(151,  
167, 68) }
```

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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