

Converting Colors

$Yxy(34.5806, 0.3441, 0.4186)$

Have a look what the booklet for
Yxy(34.5806, 0.3441, 0.4186)
contains.

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Color

Yxy(34.5796, 0.3440, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	93A66D
RGB	147, 166, 109
RGB Percent	58%, 65%, 43%
CMY	0.4235, 0.3490, 0.5726
CMYK	0.11, 0.00, 0.34, 0.35
HSL	80°, 24%, 54%
HSV	80°, 34%, 65%
XYZ	28.4306, 34.5796, 19.6370
YIQ	153.8210, 6.9730, -21.7550

Conversions

Conversions Part 2

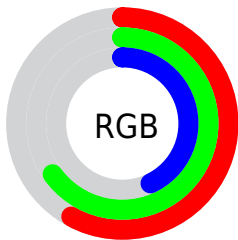
Format	Color
RYB	109, 166, 128
Decimal	9676397
CIELab	65.42, -16.56, 27.38
CIElCh	65, 32.000, 121.163
Yxy	34.5796, 0.3440, 0.4184
Android (android.graphics.Color)	4287866477 (0xFF93A66D)
YUV	153.8210, -22.0968, -5.9820
Hunter-Lab	58.8044, -16.6069, 21.3640

Details

The Yxy color $34.5796, 0.3440, 0.4184$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.2714, 0.2724, 0.2342$, and the grayscale version is $32.3299, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.8427, 0.3389, 0.4000$, and $14.7938, 0.3515, 0.4501$ is the 20% darker color. If you saturate the color by 10%, you get $33.7581, 0.3519, 0.4457$, and if you desaturate by 10%, it is $35.4962, 0.3352, 0.3911$.

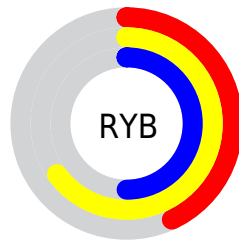
Distribution



Red (58%)

Green (65%)

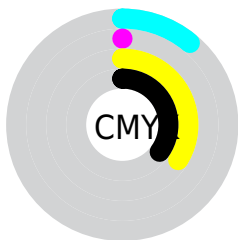
Blue (43%)



Red (43%)

Yellow (65%)

Blue (50%)

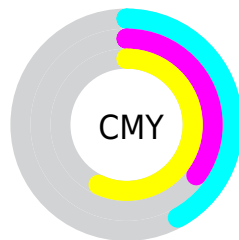


Cyan (11%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (42%)


Magenta (35%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5796, 0.3440, 0.4184 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 34.5796, 0.3440, 0.4184 by changing the saturation by 10% instead.


 34.5796, 0.3440,
0.4184


 34.5796, 0.3440,
0.4184


322.7088, 0.3287,
0.3702


 23.3392, 0.3475,
0.4316


 66.8340, 0.3386,
0.4000


 14.8442, 0.3516,
0.4491


 88.6168, 0.3366,
0.3934

 8.7101, 0.3564,
0.4734


 114.6825, 0.3348,
0.3879

 4.5526, 0.3612,
0.5089

 145.4155, 0.3332,
0.3832

 1.9872, 0.3913,
0.6087

181.2003, 0.3319,
0.3793

 0.6000, 0.2168,
0.7832

222.4212, 0.3307,

 0.0000, 0.0000,

0.3758

0.0000

269.4625, 0.3297,
0.3728

■ 34.5796, 0.3440,
0.4184

■ 34.5796, 0.3440,
0.4184

■ 33.7581, 0.3519,
0.4457

■ 35.4962, 0.3352,
0.3911

■ 33.0230, 0.3585,
0.4721

■ 36.5072, 0.3260,
0.3646

■ 32.3712, 0.3634,
0.4962


■ 37.6177, 0.3167,
0.3394

■ 31.7978, 0.3660,
0.5170


■ 38.8311, 0.3076,
0.3160


■ 31.2969, 0.3662,
0.5335

■ 40.1506, 0.2988,
0.2945


 30.8617, 0.3641,
0.5451

 41.5792, 0.2905,
0.2748

 30.6357, 0.3623,
0.5505

 43.1199, 0.2828,
0.2571

 44.7754, 0.2755,
0.2411

 46.3291, 0.2710,
0.2298

Harmonies

Analogous

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



34.5796, 0.3864, 0.4088



34.5796, 0.3440, 0.4184



34.5796, 0.2952, 0.3987

Triad

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



34.5796, 0.3440, 0.4184



34.5796, 0.2238, 0.2695



34.5796, 0.3732, 0.3022

Complementary

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



34.5796, 0.3440, 0.4184



18.2714, 0.2724, 0.2342

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.



34.5796, 0.3247, 0.2713



34.5796, 0.3440, 0.4184



34.5796, 0.2406, 0.2518

Square

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



34.5796, 0.3440, 0.4184



34.5796, 0.2281, 0.3062



34.5796, 0.2763, 0.2532



34.5796, 0.4053, 0.3404

Rectangle

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



34.5796, 0.3440, 0.4184



34.5796, 0.2657, 0.3711



34.5796, 0.2763, 0.2532



34.5796, 0.3581, 0.2908

Sweetspot

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



34.5811, 0.3440, 0.4184



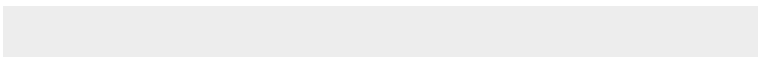
67.0740, 0.3221, 0.3539



24.3983, 0.3820, 0.3574



14.9497, 0.3234, 0.3573



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.



34.5811, 0.3440, 0.4184



61.6385, 0.3500, 0.4387



32.3288, 0.3173, 0.4264



8.6469, 0.3213, 0.3517



23.7826, 0.3628, 0.5501



0.6048, 0.3822, 0.5347

Inverse Universe

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



18.2714, 0.2724, 0.2342



27.6192, 0.2614, 0.2111



20.7082, 0.3042, 0.2425



7.4173, 0.3036, 0.3060



2.7937, 0.1761, 0.0743



0.0958, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 34.5796, 0.3440, 0.4184 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 34.5796, 0.3440, 0.4184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

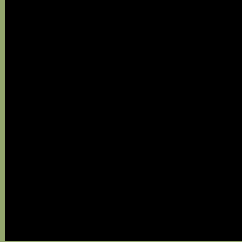
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5796, 0.3440, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 34.5796, 0.3440, 0.4184.



This preview shows how white text looks on a background with the Yxy color 34.5796, 0.3440, 0.4184.

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

34.5796, 0.3440, 0.4184

Protanopia

34.6075, 0.3755, 0.4060

Deuteranopia

34.4451, 0.3917, 0.3840



Tritanopia

34.3626, 0.2985, 0.3099

Trichromacy



Original Color

34.5796, 0.3440, 0.4184

Protanomaly

34.6887, 0.3637, 0.4112

Deuteranomaly

34.2603, 0.3740, 0.3957

Tritanomaly

34.3033, 0.3156, 0.3488

Monochromacy



Original Color

34.5796, 0.3440, 0.4184

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.8680, 0.3240, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5796, 0.3440, 0.4184 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(147, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(147, 166, 109)  
}
```

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(147, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 166, 109) }
```

Border

The CSS property to change the border of an element to Yxy 34.5796, 0.3440, 0.4184 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(147, 166, 109) }
```

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

```
.border{ border-color:rgb(147, 166, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(147, 166,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5796, 0.3440, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 166, 109) }
```

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

```
.background{ background-color: rgb(147,  
166, 109) }
```

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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