

Converting Colors

$Yxy(34.5232, 0.3714, 0.4376)$

Have a look what the booklet for
Yxy(34.5232, 0.3714, 0.4376)
contains.

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Color

Yxy(34.5754, 0.3711, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	9EA45B
RGB	158, 164, 91
RGB Percent	62%, 64%, 36%
CMY	0.3803, 0.3569, 0.6432
CMYK	0.04, 0.00, 0.45, 0.36
HSL	65°, 29%, 50%
HSV	65°, 45%, 64%
XYZ	29.2676, 34.5754, 15.0242
YIQ	153.8840, 19.8570, -23.9750

Conversions

Conversions Part 2

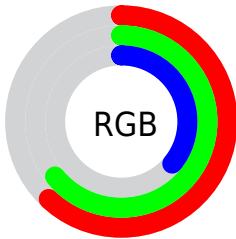
Format	Color
RYB	91, 164, 97
Decimal	10396763
CIELab	65.42, -13.29, 37.02
CIELCh	65, 39.339, 109.752
Yxy	34.5754, 0.3711, 0.4384
Android (android.graphics.Color)	4288586843 (0xFF9EA45B)
YUV	153.8840, -31.0018, 3.6097
Hunter-Lab	58.8009, -14.0546, 26.0114

Details

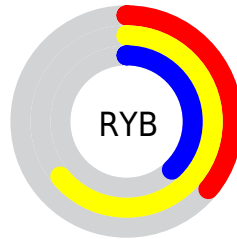
The Yxy color **34.5754, 0.3711, 0.4384** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.6982, 0.2370, 0.1959**, and the grayscale version is **32.3951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9423, 0.3608, 0.4163**, and **14.7588, 0.3858, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **34.1890, 0.3822, 0.4605**, and if you desaturate by 10%, it is **35.0283, 0.3587, 0.4144**.

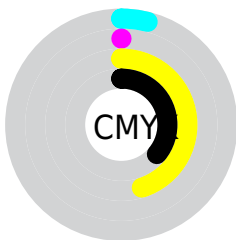
Distribution



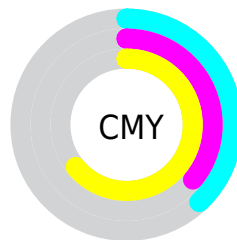
- Red (62%)
- Green (64%)
- Blue (36%)



- Red (36%)
- Yellow (64%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (45%)
- Black (36%)



- Cyan (38%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5754, 0.3711, 0.4384 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 34.5754, 0.3711, 0.4384 by changing the saturation by 10% instead.


 34.5754, 0.3711,
0.4384


 34.5754, 0.3711,
0.4384


322.6902, 0.3424,
0.3804

 23.3360, 0.3776,
0.4535


 66.8275, 0.3610,
0.4167

 14.8418, 0.3852,
0.4731


 88.6089, 0.3571,
0.4087

 8.7084, 0.3938,
0.4989

 114.6732, 0.3538,
0.4021

 4.5515, 0.4056,
0.5382

 145.4046, 0.3509,
0.3964

 1.9866, 0.4108,
0.5892

181.1876, 0.3483,
0.3916

 0.5997, 0.2904,
0.7096

222.4066, 0.3461,

 0.0000, 0.0000,

0.3873

0.0000

269.4460, 0.3441,
0.3837

■ 34.5754, 0.3711,
0.4384

■ 34.5754, 0.3711,
0.4384

■ 34.1890, 0.3822,
0.4605

■ 35.0283, 0.3587,
0.4144

■ 33.8602, 0.3914,
0.4796

■ 35.5467, 0.3455,
0.3894

■ 33.5861, 0.3983,
0.4951


■ 36.1356, 0.3320,
0.3643

■ 33.3615, 0.4027,
0.5065

■ 36.7980, 0.3186,
0.3398

■ 33.1799, 0.4047,
0.5135


■ 37.5372, 0.3057,
0.3163

 33.0900, 0.4052,
0.5165

 38.3557, 0.2934,
0.2943

 39.2564, 0.2819,
0.2738

 40.2417, 0.2712,
0.2550

 41.3141, 0.2614,
0.2380

Harmonies

Analogous

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



34.5754, 0.4164, 0.4129



34.5754, 0.3711, 0.4384



34.5754, 0.3126, 0.4301

Triad

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



34.5754, 0.3711, 0.4384



34.5754, 0.2047, 0.2698



34.5754, 0.3653, 0.2808

Complementary

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



34.5754, 0.3711, 0.4384



12.6982, 0.2370, 0.1959

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.



34.5754, 0.3032, 0.2494



34.5754, 0.3711, 0.4384



34.5754, 0.2153, 0.2406

Square

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



34.5754, 0.3711, 0.4384



34.5754, 0.2188, 0.3217



34.5754, 0.2494, 0.2347



34.5754, 0.4153, 0.3234

Rectangle

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



34.5754, 0.3711, 0.4384



34.5754, 0.2743, 0.4028



34.5754, 0.2494, 0.2347



34.5754, 0.3449, 0.2688

Sweetspot

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



34.5770, 0.3711, 0.4384



65.7403, 0.3303, 0.3611



16.9857, 0.4239, 0.3370



14.3196, 0.3331, 0.3664



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



34.5770, 0.3711, 0.4384



62.0949, 0.3816, 0.4594



31.4883, 0.3349, 0.4530



8.2077, 0.3249, 0.3513



25.3823, 0.4053, 0.5164



0.5414, 0.4108, 0.5121

Inverse Universe

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



12.6982, 0.2370, 0.1959



17.4217, 0.2179, 0.1635



15.0938, 0.2776, 0.2094



6.8863, 0.2999, 0.3059



2.1325, 0.1533, 0.0618



0.0526, 0.1687, 0.0703

Previews

White Background



This preview shows how the Yxy color 34.5754, 0.3711, 0.4384 looks on a white background.

Color Contrast Check

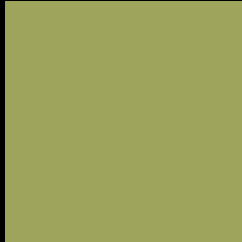
Large Text (above 18pt) WCAG AA × Fail

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 34.5754, 0.3711, 0.4384 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 34.5754, 0.3711, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 34.5754, 0.3711, 0.4384.



This preview shows how white text looks on a background with the Yxy color 34.5754, 0.3711, 0.4384.

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

34.5754, 0.3711, 0.4384

Protanopia

34.5162, 0.3927, 0.4281

Deuteranopia

34.2788, 0.4141, 0.4046



Tritanopia

34.4482, 0.3135, 0.3119

Trichromacy



Original Color

34.5754, 0.3711, 0.4384

Protanomaly

34.5528, 0.3842, 0.4318

Deuteranomaly

34.2705, 0.3976, 0.4169

Tritanomaly

34.2103, 0.3363, 0.3573

Monochromacy



Original Color

34.5754, 0.3711, 0.4384

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0610, 0.3346, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5754, 0.3711, 0.4384 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(158, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(158, 164, 91)  
}
```

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(158, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 164, 91) }
```

Border

The CSS property to change the border of an element to Yxy 34.5754, 0.3711, 0.4384 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(158, 164, 91) }
```

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

```
.border{ border-color:rgb(158, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(158, 164,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5754, 0.3711, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 164, 91) }
```

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

```
.background{ background-color: rgb(158,  
164, 91) }
```

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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