

Converting Colors

$Yxy(34.5965, 0.3107, 0.4150)$

Have a look what the booklet for
Yxy(34.5965, 0.3107, 0.4150)
contains.

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Color

Yxy(34.5953, 0.3112, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	7AAB77
RGB	122, 171, 119
RGB Percent	48%, 67%, 47%
CMY	0.5216, 0.3294, 0.5333
CMYK	0.29, 0.00, 0.30, 0.33
HSL	117°, 24%, 57%
HSV	117°, 30%, 67%
XYZ	25.9173, 34.5953, 22.7693
YIQ	150.4210, -12.5120, -26.5600

Conversions

Conversions Part 2

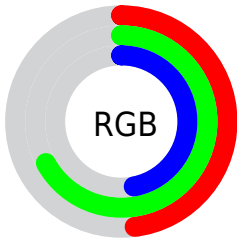
Format	Color
RYB	119, 171, 168
Decimal	8039287
CIELab	65.43, -26.77, 21.69
CIELCh	65, 34.454, 140.987
Yxy	34.5953, 0.3112, 0.4154
Android (android.graphics.Color)	4286229367 (0xFF7AAB77)
YUV	150.4210, -15.4906, -24.9252
Hunter-Lab	58.8178, -24.2773, 18.2204

Details

The Yxy color **34.5953, 0.3112, 0.4154** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.4679, 0.3128, 0.2542**, and the grayscale version is **30.7581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1468, 0.3122, 0.3969**, and **14.7387, 0.3083, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **33.1412, 0.3102, 0.4493**, and if you desaturate by 10%, it is **36.3216, 0.3119, 0.3838**.

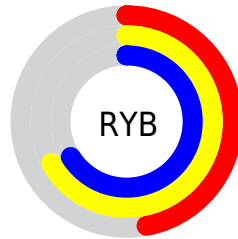
Distribution



Red (48%)

Green (67%)

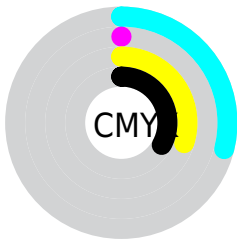
Blue (47%)



Red (47%)

Yellow (67%)

Blue (66%)

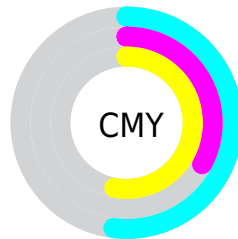


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (52%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5953, 0.3112, 0.4154 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 34.5953, 0.3112, 0.4154 by changing the saturation by 10% instead.


 34.5953, 0.3112,
0.4154


 34.5953, 0.3112,
0.4154


322.7784, 0.3131,
0.3680


 23.3513, 0.3102,
0.4287


 66.8583, 0.3123,
0.3971

 14.8531, 0.3085,
0.4468


 88.6462, 0.3125,
0.3906

 8.7164, 0.3054,
0.4727


 114.7174, 0.3127,
0.3852

 4.5566, 0.2992,
0.5124

145.4564, 0.3129,
0.3806

 1.9896, 0.2951,
0.6010

181.2477, 0.3130,
0.3768

 0.6014, 0.0000,
1.0000

222.4755, 0.3131,

 0.0000, 0.0000,

0.3735

0.0000

269.5242, 0.3131,
0.3706

■ 34.5953, 0.3112,
0.4154

■ 34.5953, 0.3112,
0.4154

■ 33.1412, 0.3102,
0.4493

■ 36.3216, 0.3119,
0.3838

■ 31.9413, 0.3090,
0.4841

■ 38.3283, 0.3124,
0.3553

■ 30.9823, 0.3075,
0.5180


■ 40.6287, 0.3127,
0.3300

■ 30.2479, 0.3058,
0.5484


■ 43.2341, 0.3129,
0.3078

■ 29.7197, 0.3041,
0.5729


■ 46.1549, 0.3129,
0.2886

 29.3765, 0.3024,
0.5896

 49.4012, 0.3129,
0.2720

 29.1912, 0.3013,
0.5989

 52.9827, 0.3129,
0.2577

 56.8554, 0.3134,
0.2461

 57.6083, 0.3166,
0.2469

Harmonies

Analogous

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



34.5953, 0.3629, 0.4251



34.5953, 0.3112, 0.4154



34.5953, 0.2624, 0.3748

Triad

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



34.5953, 0.3112, 0.4154



34.5953, 0.2271, 0.2503



34.5953, 0.4037, 0.3265

Complementary

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



34.5953, 0.3112, 0.4154



24.4679, 0.3128, 0.2542

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.



34.5953, 0.3611, 0.2879



34.5953, 0.3112, 0.4154



34.5953, 0.2586, 0.2453

Square

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



34.5953, 0.3112, 0.4154



34.5953, 0.2167, 0.2760



34.5953, 0.3070, 0.2590



34.5953, 0.4191, 0.3683

Rectangle

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



34.5953, 0.3112, 0.4154



34.5953, 0.2377, 0.3390



34.5953, 0.3070, 0.2590



34.5953, 0.3920, 0.3129

Sweetspot

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



34.5968, 0.3112, 0.4154



69.1212, 0.3124, 0.3519



37.8269, 0.3590, 0.3989



15.2913, 0.3124, 0.3558



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.



34.5968, 0.3112, 0.4154



60.2756, 0.3106, 0.4363



34.9909, 0.2913, 0.3772



8.9603, 0.3124, 0.3524



22.0119, 0.3016, 0.5988



0.6192, 0.3083, 0.5934

Inverse Universe

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



24.4679, 0.3128, 0.2542



39.4046, 0.3127, 0.2391



24.0097, 0.3421, 0.2854



8.1245, 0.3129, 0.3066



7.9563, 0.3069, 0.1464



0.2282, 0.3114, 0.1489

Previews

White Background



This preview shows how the Yxy color 34.5953, 0.3112, 0.4154 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 34.5953, 0.3112, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

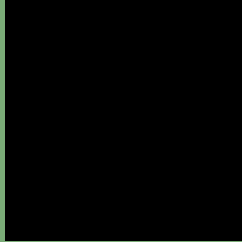
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5953, 0.3112, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 34.5953, 0.3112, 0.4154.



This preview shows how white text looks on a background with the Yxy color 34.5953, 0.3112, 0.4154.

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

34.5953, 0.3112, 0.4154

Protanopia

34.1920, 0.3674, 0.3952

Deuteranopia

34.2008, 0.3763, 0.3697



Tritanopia

34.6308, 0.2743, 0.3092

Trichromacy



Original Color

34.5953, 0.3112, 0.4154

Protanomaly

34.2045, 0.3458, 0.4033

Deuteranomaly

33.8828, 0.3500, 0.3849

Tritanomaly

34.6269, 0.2873, 0.3464

Monochromacy



Original Color

34.5953, 0.3112, 0.4154

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8932, 0.3123, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5953, 0.3112, 0.4154 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(122, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(122, 171, 119)  
}
```

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(122, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 171, 119) }
```

Border

The CSS property to change the border of an element to Yxy 34.5953, 0.3112, 0.4154 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(122, 171, 119) }
```

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

```
.border{ border-color:rgb(122, 171, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 171, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 171, 119);  
box-shadow:4px 4px 4px 4px rgb(122, 171,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5953, 0.3112, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 171, 119) }
```

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

```
.background{ background-color: rgb(122,  
171, 119) }
```

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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