

Converting Colors

$Y_{xy}(34.3232, 0.3158, 0.4319)$

Have a look what the booklet for
Yxy(34.3232, 0.3158, 0.4319)
contains.

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Color

Yxy(34.1735, 0.3155, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	77AB6E
RGB	119, 171, 110
RGB Percent	47%, 67%, 43%
CMY	0.5333, 0.3294, 0.5685
CMYK	0.30, 0.00, 0.36, 0.33
HSL	111°, 27%, 55%
HSV	111°, 36%, 67%
XYZ	24.9866, 34.1735, 20.0368
YIQ	148.4980, -11.4110, -29.9950

Conversions

Conversions Part 2

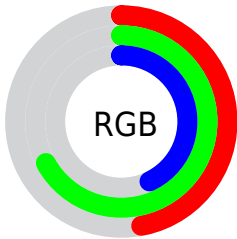
Format	Color
RYB	110, 171, 162
Decimal	7842670
CIELab	65.10, -29.27, 26.07
CIElCh	65, 39.193, 138.308
Yxy	34.1735, 0.3155, 0.4315
Android (android.graphics.Color)	4286032750 (0xFF77AB6E)
YUV	148.4980, -18.9795, -25.8697
Hunter-Lab	58.4581, -26.0057, 20.5987

Details

The Yxy color **34.1735, 0.3155, 0.4315** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7800, 0.3063, 0.2397**, and the grayscale version is **29.9197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4310, 0.3163, 0.4102**, and **14.5227, 0.3137, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **32.8838, 0.3154, 0.4652**, and if you desaturate by 10%, it is **35.6962, 0.3151, 0.3993**.

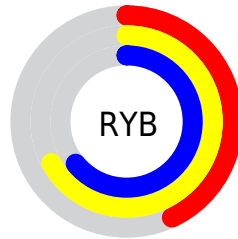
Distribution



Red (47%)

Green (67%)

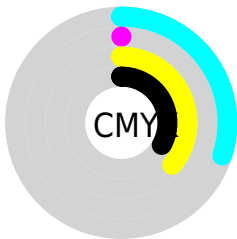
Blue (43%)



Red (43%)

Yellow (67%)

Blue (64%)

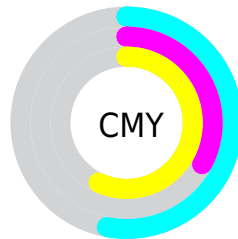


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1735, 0.3155, 0.4315 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 34.1735, 0.3155, 0.4315 by changing the saturation by 10% instead.


 34.1735, 0.3155,
0.4315


 34.1735, 0.3155,
0.4315


320.9050, 0.3157,
0.3750


 23.0269, 0.3147,
0.4475


 66.2034, 0.3160,
0.4096


 14.6134, 0.3132,
0.4691


 87.8555, 0.3161,
0.4018

 8.5485, 0.3099,
0.5001


 113.7782, 0.3161,
0.3954

 4.4479, 0.3025,
0.5471

 144.3559, 0.3160,
0.3900

 1.9271, 0.3122,
0.6878

179.9731, 0.3159,
0.3854

 0.5646, 0.0000,
1.0000

221.0141, 0.3158,

 0.0000, 0.0000,

0.3814

0.0000

267.8632, 0.3157,
0.3780

■ 34.1735, 0.3155,
0.4315

■ 34.1735, 0.3155,
0.4315

■ 32.8838, 0.3154,
0.4652

■ 35.6962, 0.3151,
0.3993

■ 31.8115, 0.3147,
0.4989

■ 37.4582, 0.3144,
0.3696

■ 30.9457, 0.3132,
0.5306

■ 39.4709, 0.3134,
0.3428


■ 30.2729, 0.3111,
0.5579

■ 41.7434, 0.3122,
0.3190


■ 29.7777, 0.3084,
0.5788

■ 44.2847, 0.3110,
0.2982


 29.4420, 0.3054,
0.5921

 47.1032, 0.3097,
0.2799

 29.3354, 0.3044,
0.5965

 50.2071, 0.3085,
0.2641

 53.6039, 0.3073,
0.2503

 56.7130, 0.3128,
0.2460

Harmonies

Analogous

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



34.1735, 0.3737, 0.4378



34.1735, 0.3155, 0.4315



34.1735, 0.2595, 0.3870

Triad

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



34.1735, 0.3155, 0.4315



34.1735, 0.2142, 0.2415



34.1735, 0.4135, 0.3212

Complementary

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



34.1735, 0.3155, 0.4315



21.7800, 0.3063, 0.2397

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.



34.1735, 0.3625, 0.2790



34.1735, 0.3155, 0.4315



34.1735, 0.2473, 0.2345

Square

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



34.1735, 0.3155, 0.4315



34.1735, 0.2048, 0.2718



34.1735, 0.3003, 0.2483



34.1735, 0.4340, 0.3680

Rectangle

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



34.1735, 0.3155, 0.4315



34.1735, 0.2308, 0.3455



34.1735, 0.3003, 0.2483



34.1735, 0.3991, 0.3063

Sweetspot

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



34.1750, 0.3155, 0.4315



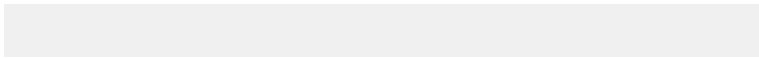
68.6380, 0.3139, 0.3573



35.5737, 0.3694, 0.4043



15.2029, 0.3141, 0.3608



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.



34.1750, 0.3155, 0.4315



59.3009, 0.3155, 0.4587



34.0913, 0.2918, 0.3961



8.9939, 0.3137, 0.3523



22.1291, 0.3048, 0.5962



0.6326, 0.3207, 0.5835

Inverse Universe

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



21.7800, 0.3063, 0.2397



33.6841, 0.3041, 0.2196



22.0057, 0.3424, 0.2705



8.0874, 0.3115, 0.3065



6.8276, 0.2845, 0.1341



0.2059, 0.2963, 0.1406

Previews

White Background



This preview shows how the Yxy color 34.1735, 0.3155, 0.4315 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 34.1735, 0.3155, 0.4315 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 34.1735, 0.3155, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 34.1735, 0.3155, 0.4315.



This preview shows how white text looks on a background with the Yxy color 34.1735, 0.3155, 0.4315.

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

34.1735, 0.3155, 0.4315

Protanopia

33.7713, 0.3773, 0.4065

Deuteranopia

33.8101, 0.3860, 0.3792



Tritanopia

34.1543, 0.2741, 0.3090

Trichromacy



Original Color

34.1735, 0.3155, 0.4315

Protanomaly

33.5567, 0.3531, 0.4161

Deuteranomaly

33.3274, 0.3588, 0.3972

Tritanomaly

34.0515, 0.2895, 0.3514

Monochromacy



Original Color

34.1735, 0.3155, 0.4315

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2665, 0.3140, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1735, 0.3155, 0.4315 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(119, 171, 110)` looks like.

```
.text, #text, p{  
    color:rgb(119, 171, 110)  
}
```

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(119, 171, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 110) }
```

Border

The CSS property to change the border of an element to Yxy 34.1735, 0.3155, 0.4315 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(119, 171, 110) }
```

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

```
.border{ border-color:rgb(119, 171, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 171, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 171, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 171, 110);  
box-shadow:4px 4px 4px 4px rgb(119, 171,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1735, 0.3155, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 110) }
```

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

```
.background{ background-color: rgb(119,  
171, 110) }
```

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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