

Converting Colors

$Yxy(34.2815, 0.3106, 0.4173)$

Have a look what the booklet for
Yxy(34.2815, 0.3106, 0.4173)
contains.

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Color

Yxy(34.4269, 0.3103, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	78AB76
RGB	120, 171, 118
RGB Percent	47%, 67%, 46%
CMY	0.5293, 0.3294, 0.5373
CMYK	0.30, 0.00, 0.31, 0.33
HSL	118°, 24%, 57%
HSV	118°, 31%, 67%
XYZ	25.5811, 34.4269, 22.4319
YIQ	149.7090, -13.3830, -27.2950

Conversions

Conversions Part 2

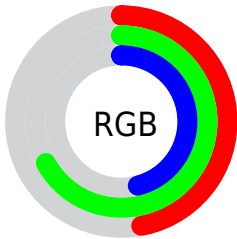
Format	Color
RYB	118, 171, 169
Decimal	7908214
CIELab	65.30, -27.61, 22.05
CIELCh	65, 35.333, 141.387
Yxy	34.4269, 0.3103, 0.4176
Android (android.graphics.Color)	4286098294 (0xFF78AB76)
YUV	149.7090, -15.6325, -26.0548
Hunter-Lab	58.6744, -24.8572, 18.4049

Details

The Yxy color **34.4269, 0.3103, 0.4176** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.3242, 0.3139, 0.2530**, and the grayscale version is **30.4440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8391, 0.3121, 0.3998**, and **14.6517, 0.3071, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **32.9813, 0.3091, 0.4517**, and if you desaturate by 10%, it is **36.1509, 0.3113, 0.3857**.

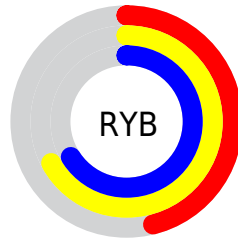
Distribution



Red (47%)

Green (67%)

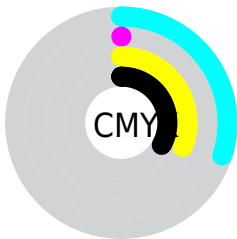
Blue (46%)



Red (46%)

Yellow (67%)

Blue (66%)

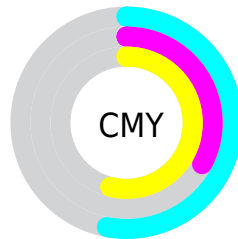


Cyan (30%)

Magenta (0%)

Yellow (31%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4269, 0.3103, 0.4176 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 34.4269, 0.3103, 0.4176 by changing the saturation by 10% instead.


 34.4269, 0.3103,
0.4176


 34.4269, 0.3103,
0.4176


322.0314, 0.3128,
0.3689


 23.2217, 0.3091,
0.4313


 66.5970, 0.3116,
0.3988

 14.7573, 0.3072,
0.4500


 88.3307, 0.3119,
0.3921

 8.6493, 0.3037,
0.4767


 114.3427, 0.3122,
0.3865

 4.5131, 0.2968,
0.5177

145.0175, 0.3124,
0.3819

 1.9645, 0.2930,
0.6126

180.7393, 0.3125,
0.3779

 0.5867, 0.0000,
1.0000

221.8927, 0.3126,

 0.0000, 0.0000,

0.3745

0.0000

268.8619, 0.3127,
0.3715

■ 34.4269, 0.3103,
0.4176

■ 34.4269, 0.3103,
0.4176

■ 32.9813, 0.3091,
0.4517

■ 36.1509, 0.3113,
0.3857

■ 31.7956, 0.3077,
0.4868

■ 38.1623, 0.3121,
0.3569

■ 30.8555, 0.3062,
0.5207

■ 40.4748, 0.3127,
0.3314


■ 30.1438, 0.3046,
0.5509


■ 43.1003, 0.3131,
0.3091


■ 29.6411, 0.3030,
0.5748

■ 46.0497, 0.3135,
0.2897

 29.3247, 0.3016,
0.5908

 49.3335, 0.3137,
0.2731

 29.1679, 0.3009,
0.5993

 52.9619, 0.3139,
0.2587

 56.9443, 0.3140,
0.2464

 57.6054, 0.3166,
0.2469

Harmonies

Analogous

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



34.4269, 0.3634, 0.4278



34.4269, 0.3103, 0.4176



34.4269, 0.2604, 0.3754

Triad

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



34.4269, 0.3103, 0.4176



34.4269, 0.2253, 0.2481



34.4269, 0.4066, 0.3269

Complementary

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



34.4269, 0.3103, 0.4176



24.3242, 0.3139, 0.2530

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.



34.4269, 0.3631, 0.2873



34.4269, 0.3103, 0.4176



34.4269, 0.2578, 0.2434

Square

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



34.4269, 0.3103, 0.4176



34.4269, 0.2143, 0.2740



34.4269, 0.3075, 0.2577



34.4269, 0.4219, 0.3696

Rectangle

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



34.4269, 0.3103, 0.4176



34.4269, 0.2354, 0.3384



34.4269, 0.3075, 0.2577



34.4269, 0.3947, 0.3130

Sweetspot

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



34.4284, 0.3103, 0.4176



69.0695, 0.3122, 0.3520



38.0995, 0.3596, 0.4014



15.2783, 0.3121, 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.



34.4284, 0.3103, 0.4176



59.8828, 0.3095, 0.4401



34.9243, 0.2903, 0.3768



8.9535, 0.3122, 0.3524



21.9940, 0.3011, 0.5992



0.6165, 0.3057, 0.5955

Inverse Universe

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



24.3242, 0.3139, 0.2530



38.9649, 0.3140, 0.2370



23.7228, 0.3439, 0.2858



8.1321, 0.3132, 0.3066



8.2045, 0.3115, 0.1489



0.2330, 0.3145, 0.1506

Previews

White Background



This preview shows how the Yxy color 34.4269, 0.3103, 0.4176 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 34.4269, 0.3103, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

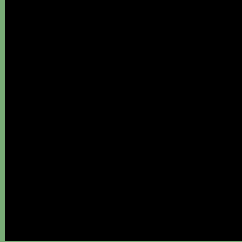
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4269, 0.3103, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 34.4269, 0.3103, 0.4176.



This preview shows how white text looks on a background with the Yxy color 34.4269, 0.3103, 0.4176.

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

34.4269, 0.3103, 0.4176

Protanopia

34.1696, 0.3683, 0.3966

Deuteranopia

34.1759, 0.3773, 0.3711



Tritanopia

34.5505, 0.2735, 0.3091

Trichromacy



Original Color

34.4269, 0.3103, 0.4176

Protanomaly

34.0847, 0.3457, 0.4051

Deuteranomaly

33.7538, 0.3499, 0.3867

Tritanomaly

34.5498, 0.2865, 0.3464

Monochromacy



Original Color

34.4269, 0.3103, 0.4176

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7777, 0.3122, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4269, 0.3103, 0.4176 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(120, 171, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 118)  
}
```

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(120, 171, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 118) }
```

Border

The CSS property to change the border of an element to Yxy 34.4269, 0.3103, 0.4176 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(120, 171, 118) }
```

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

```
.border{ border-color:rgb(120, 171, 118) }
```

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

Here you see how a box with a 4 pixel rgb(120, 171, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4269, 0.3103, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 118) }
```

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

```
.background{ background-color: rgb(120,  
171, 118) }
```

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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