

Converting Colors

$Yxy(34.5612, 0.3016, 0.3989)$

Have a look what the booklet for
Yxy(34.5612, 0.3016, 0.3989)
contains.

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Color

Yxy(34.7039, 0.3018, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	78AB81
RGB	120, 171, 129
RGB Percent	47%, 67%, 51%
CMY	0.5292, 0.3294, 0.4941
CMYK	0.30, 0.00, 0.25, 0.33
HSL	131°, 23%, 57%
HSV	131°, 30%, 67%
XYZ	26.2761, 34.7039, 26.0845
YIQ	150.9630, -16.9140, -23.8740

Conversions

Conversions Part 2

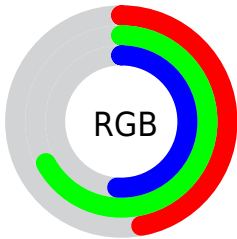
Format	Color
RYB	120, 163, 171
Decimal	7908225
CIELab	65.52, -25.65, 16.33
CIELCh	66, 30.408, 147.511
Yxy	34.7039, 0.3018, 0.3986
Android (android.graphics.Color)	4286098305 (0xFF78AB81)
YUV	150.9630, -10.8278, -27.1546
Hunter-Lab	58.9100, -23.4749, 14.9842

Details

The Yxy color **34.7039, 0.3018, 0.3986** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7112, 0.3260, 0.2682**, and the grayscale version is **30.9881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1998, 0.3041, 0.3845**, and **14.8013, 0.2959, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **33.2401, 0.2985, 0.4269**, and if you desaturate by 10%, it is **36.4407, 0.3054, 0.3726**.

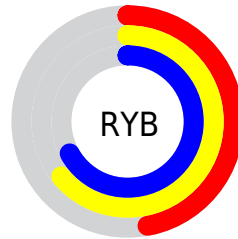
Distribution



Red (47%)

Green (67%)

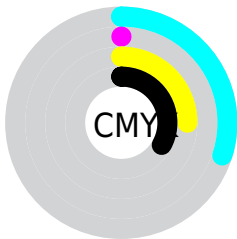
Blue (51%)



Red (47%)

Yellow (64%)

Blue (67%)

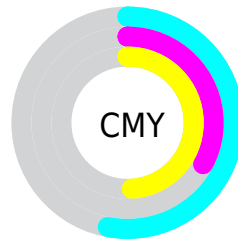


Cyan (30%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7039, 0.3018, 0.3986 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 34.7039, 0.3018, 0.3986 by changing the saturation by 10% instead.

 34.7039, 0.3018,
0.3986


 34.7039, 0.3018,
0.3986


323.2594, 0.3083,
0.3606


 23.4349, 0.2998,
0.4093


 67.0268, 0.3044,
0.3839

 14.9149, 0.2968,
0.4238

 88.8495, 0.3054,
0.3787

 8.7597, 0.2924,
0.4445


 114.9588, 0.3061,
0.3744

 4.5848, 0.2848,
0.4766

145.7392, 0.3067,
0.3707

 2.0058, 0.2712,
0.5346

181.5751, 0.3072,
0.3676

 0.6108, 0.0000,
1.0000

222.8508, 0.3076,

 0.0000, 0.0000,

0.3650

0.0000

269.9508, 0.3080,
0.3626

■ 34.7039, 0.3018,
0.3986

■ 34.7039, 0.3018,
0.3986

■ 33.2401, 0.2985,
0.4269

■ 36.4407, 0.3054,
0.3726

■ 32.0311, 0.2956,
0.4568

■ 38.4588, 0.3091,
0.3493

■ 31.0636, 0.2935,
0.4873

■ 40.7716, 0.3128,
0.3286

■ 30.3208, 0.2924,
0.5169

■ 43.3903, 0.3163,
0.3105

■ 29.7844, 0.2924,
0.5437

■ 46.3256, 0.3197,
0.2947

■ 29.4325, 0.2935,
0.5660

■ 49.5877, 0.3228,
0.2810

■ 29.2217, 0.2953,
0.5828

■ 53.1861, 0.3258,
0.2692

■ 29.2179, 0.2953,
0.5831

■ 56.7792, 0.3270,
0.2586

■ 57.6038, 0.3166,
0.2469

Harmonies

Analogous

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



34.7039, 0.3481, 0.4140



34.7039, 0.3018, 0.3986



34.7039, 0.2604, 0.3593

Triad

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



34.7039, 0.3018, 0.3986



34.7039, 0.2411, 0.2565



34.7039, 0.3981, 0.3355

Complementary

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



34.7039, 0.3018, 0.3986



24.7112, 0.3260, 0.2682

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.



34.7039, 0.3651, 0.2995



34.7039, 0.3018, 0.3986



34.7039, 0.2732, 0.2556

Square

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



34.7039, 0.3018, 0.3986



34.7039, 0.2273, 0.2759



34.7039, 0.3183, 0.2711



34.7039, 0.4058, 0.3726

Rectangle

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



34.7039, 0.3018, 0.3986



34.7039, 0.2407, 0.3279



34.7039, 0.3183, 0.2711



34.7039, 0.3895, 0.3231

Sweetspot

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



34.7054, 0.3018, 0.3986



69.1301, 0.3094, 0.3479



38.2152, 0.3484, 0.4040



15.2936, 0.3088, 0.3510



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.



34.7054, 0.3018, 0.3986



60.3136, 0.2995, 0.4177



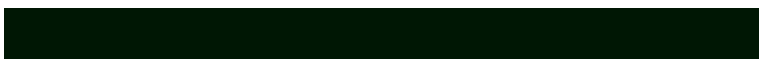
35.4537, 0.2828, 0.3562



8.9615, 0.3093, 0.3482



22.0333, 0.2949, 0.5818



0.6197, 0.2810, 0.5317

Inverse Universe

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



24.7112, 0.3260, 0.2682



39.3915, 0.3298, 0.2542



23.9084, 0.3559, 0.3036



8.1235, 0.3163, 0.3105



7.9817, 0.3702, 0.1813



0.2283, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 34.7039, 0.3018, 0.3986 looks on a white background.

Color Contrast Check

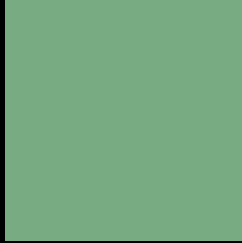
Large Text (above 18pt) WCAG AA × Fail

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 34.7039, 0.3018, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

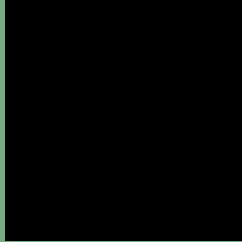
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7039, 0.3018, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 34.7039, 0.3018, 0.3986.



This preview shows how white text looks on a background with the Yxy color 34.7039, 0.3018, 0.3986.

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

34.7039, 0.3018, 0.3986

Protanopia

34.3188, 0.3568, 0.3807

Deuteranopia

34.2172, 0.3639, 0.3558



Tritanopia

34.7917, 0.2714, 0.3091

Trichromacy



Original Color

34.7039, 0.3018, 0.3986

Protanomaly

34.2544, 0.3349, 0.3881

Deuteranomaly

33.9358, 0.3386, 0.3699

Tritanomaly

34.6111, 0.2826, 0.3400

Monochromacy



Original Color

34.7039, 0.3018, 0.3986

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0123, 0.3087, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7039, 0.3018, 0.3986 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 129) }
```

Border

The CSS property to change the border of an element to Yxy 34.7039, 0.3018, 0.3986 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, 129) }
```

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

```
.border{ border-color:rgb(120, 171, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 129);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7039, 0.3018, 0.3986 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, 129) }
```

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

```
.background{ background-color: rgb(120,  
171, 129) }
```

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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