

Converting Colors

$Yxy(34.5789, 0.3102, 0.3959)$

Have a look what the booklet for
Yxy(34.5789, 0.3102, 0.3959)
contains.

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Color

Yxy(34.6016, 0.3105, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	81A980
RGB	129, 169, 128
RGB Percent	51%, 66%, 50%
CMY	0.4941, 0.3372, 0.4981
CMYK	0.24, 0.00, 0.24, 0.34
HSL	118°, 19%, 58%
HSV	118°, 24%, 66%
XYZ	27.1377, 34.6016, 25.6606
YIQ	152.3660, -10.6790, -21.2310

Conversions

Conversions Part 2

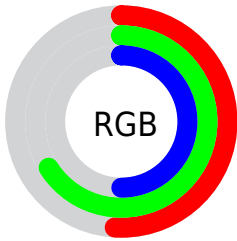
Format	Color
RYB	128, 169, 168
Decimal	8497536
CIELab	65.44, -21.78, 16.87
CIELCh	65, 27.551, 142.239
Yxy	34.6016, 0.3105, 0.3959
Android (android.graphics.Color)	4286687616 (0xFF81A980)
YUV	152.3660, -12.0124, -20.4920
Hunter-Lab	58.8231, -20.5907, 15.3119

Details

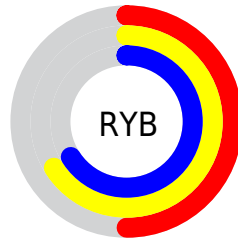
The Yxy color **34.6016, 0.3105, 0.3959** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.6163, 0.3143, 0.2697**, and the grayscale version is **31.6232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7148, 0.3116, 0.3813**, and **14.9494, 0.3085, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **33.0068, 0.3093, 0.4287**, and if you desaturate by 10%, it is **36.4814, 0.3115, 0.3660**.

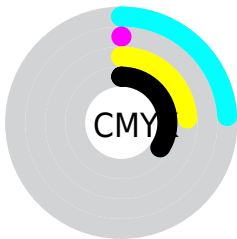
Distribution



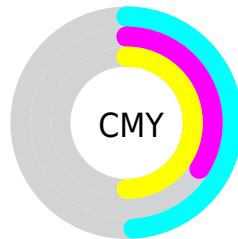
- Red (51%)
- Green (66%)
- Blue (50%)



- Red (50%)
- Yellow (66%)
- Blue (66%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)





- Cyan (49%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6016, 0.3105, 0.3959 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 34.6016, 0.3105, 0.3959 by changing the saturation by 10% instead.

 34.6016, 0.3105,
0.3959


 34.6016, 0.3105,
0.3959

322.8063, 0.3124,
0.3595


 23.3561, 0.3097,
0.4061


 66.8681, 0.3114,
0.3819

 14.8567, 0.3085,
0.4199


 88.6580, 0.3117,
0.3769

 8.7189, 0.3063,
0.4395


 114.7314, 0.3119,
0.3727

 4.5583, 0.3023,
0.4698

145.4729, 0.3120,
0.3692

 1.9905, 0.2951,
0.5252

181.2667, 0.3121,
0.3663

 0.6019, 0.0629,
0.9371

222.4972, 0.3122,

 0.0000, 0.0000,

0.3637

0.0000

269.5490, 0.3123,
0.3615

■ 34.6016, 0.3105,
0.3959

■ 34.6016, 0.3105,
0.3959

■ 33.0068, 0.3093,
0.4287

■ 36.4814, 0.3115,
0.3660

■ 31.6790, 0.3079,
0.4634

■ 38.6544, 0.3124,
0.3394

■ 30.6049, 0.3064,
0.4984


■ 41.1341, 0.3131,
0.3160

■ 29.7683, 0.3048,
0.5315


■ 43.9317, 0.3137,
0.2958

■ 29.1512, 0.3033,
0.5599


■ 47.0578, 0.3141,
0.2784


 28.7330, 0.3019,
0.5813

 50.5228, 0.3145,
0.2634

 28.4893, 0.3009,
0.5945

 54.3364, 0.3148,
0.2505

 28.4047, 0.3006,
0.5995

 56.8569, 0.3167,
0.2450

Harmonies

Analogous

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



34.6016, 0.3522, 0.4057



34.6016, 0.3105, 0.3959



34.6016, 0.2711, 0.3636

Triad

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



34.6016, 0.3105, 0.3959



34.6016, 0.2438, 0.2648



34.6016, 0.3863, 0.3293

Complementary

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



34.6016, 0.3105, 0.3959



26.6163, 0.3143, 0.2697

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.



34.6016, 0.3533, 0.2969



34.6016, 0.3105, 0.3959



34.6016, 0.2707, 0.2608

Square

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



34.6016, 0.3105, 0.3959



34.6016, 0.2344, 0.2859



34.6016, 0.3103, 0.2726



34.6016, 0.3978, 0.3635

Rectangle

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



34.6016, 0.3105, 0.3959



34.6016, 0.2512, 0.3357



34.6016, 0.3103, 0.2726



34.6016, 0.3772, 0.3180

Sweetspot

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



34.6031, 0.3105, 0.3959



68.0622, 0.3122, 0.3466



37.8638, 0.3490, 0.3865



14.7862, 0.3121, 0.3481



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



34.6031, 0.3105, 0.3959



60.4102, 0.3099, 0.4128



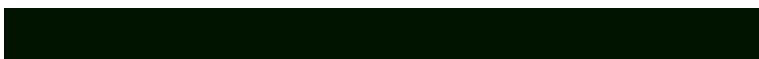
35.0744, 0.2943, 0.3640



8.4165, 0.3120, 0.3523



21.1727, 0.3007, 0.5994



0.5179, 0.3040, 0.5968

Inverse Universe

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



26.6163, 0.3143, 0.2697



43.6644, 0.3146, 0.2569



26.0639, 0.3364, 0.2965



7.6568, 0.3134, 0.3067



8.0770, 0.3147, 0.1507



0.1994, 0.3169, 0.1519

Previews

White Background



This preview shows how the Yxy color 34.6016, 0.3105, 0.3959 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 34.6016, 0.3105, 0.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

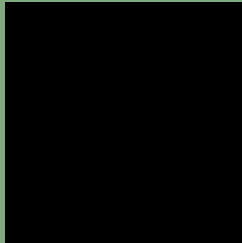
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6016, 0.3105, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 34.6016, 0.3105, 0.3959.



This preview shows how white text looks on a background with the Yxy color 34.6016, 0.3105, 0.3959.

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

34.6016, 0.3105, 0.3959

Protanopia

34.3188, 0.3568, 0.3807

Deuteranopia

34.1624, 0.3659, 0.3587



Tritanopia

34.6473, 0.2790, 0.3093

Trichromacy



Original Color

34.6016, 0.3105, 0.3959

Protanomaly

34.1914, 0.3382, 0.3861

Deuteranomaly

33.8520, 0.3438, 0.3711

Tritanomaly

34.4818, 0.2899, 0.3383

Monochromacy



Original Color

34.6016, 0.3105, 0.3959

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.3662, 0.3126, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6016, 0.3105, 0.3959 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(129, 169, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 169, 128)  
}
```

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(129, 169, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 169, 128) }
```

Border

The CSS property to change the border of an element to Yxy 34.6016, 0.3105, 0.3959 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(129, 169, 128) }
```

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

```
.border{ border-color:rgb(129, 169, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 169, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 169, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 169, 128);  
box-shadow:4px 4px 4px 4px rgb(129, 169,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6016, 0.3105, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 169, 128) }
```

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

```
.background{ background-color: rgb(129,  
169, 128) }
```

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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