

Converting Colors

$Yxy(34.2183, 0.3096, 0.3960)$

Have a look what the booklet for
Yxy(34.2183, 0.3096, 0.3960)
contains.

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Color

Yxy(34.1268, 0.3104, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	80A87F
RGB	128, 168, 127
RGB Percent	50%, 66%, 50%
CMY	0.4982, 0.3411, 0.5020
CMYK	0.24, 0.00, 0.24, 0.34
HSL	119°, 19%, 58%
HSV	119°, 24%, 66%
XYZ	26.7296, 34.1268, 25.2571
YIQ	151.3660, -10.6790, -21.2310

Conversions

Conversions Part 2

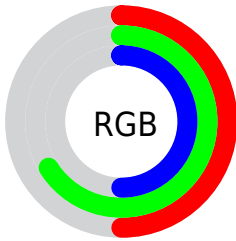
Format	Color
RYB	127, 168, 167
Decimal	8431743
CIELab	65.06, -21.83, 16.88
CIELCh	65, 27.591, 142.287
Yxy	34.1268, 0.3104, 0.3963
Android (android.graphics.Color)	4286621823 (0xFF80A87F)
YUV	151.3660, -12.0124, -20.4920
Hunter-Lab	58.4181, -20.5578, 15.2587

Details

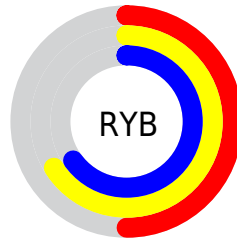
The Yxy color $34.1268, 0.3104, 0.3963$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $26.2299, 0.3145, 0.2695$, and the grayscale version is $31.1649, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.0157, 0.3116, 0.3816$, and $14.6605, 0.3084, 0.4202$ is the 20% darker color. If you saturate the color by 10%, you get $32.5552, 0.3091, 0.4291$, and if you desaturate by 10%, it is $35.9803, 0.3115, 0.3664$.

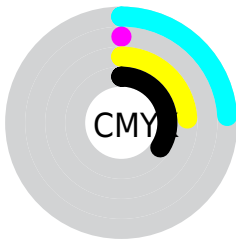
Distribution



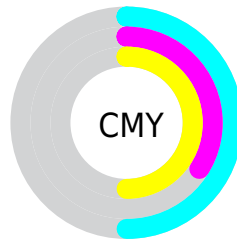
- Red (50%)
- Green (66%)
- Blue (50%)



- Red (50%)
- Yellow (66%)
- Blue (65%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1268, 0.3104, 0.3963 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 34.1268, 0.3104, 0.3963 by changing the saturation by 10% instead.


 34.1268, 0.3104,
0.3963


 34.1268, 0.3104,
0.3963

 320.6971, 0.3123,
0.3596

 22.9910, 0.3096,
0.4066


 66.1308, 0.3113,
0.3822


 14.5869, 0.3083,
0.4206


 87.7678, 0.3116,
0.3771


 8.5300, 0.3061,
0.4406

 113.6741, 0.3118,
0.3729

 4.4359, 0.3019,
0.4714

 144.2339, 0.3120,
0.3694

 1.9203, 0.2951,
0.5296

 179.8317, 0.3121,
0.3664

 0.5605, 0.0000,
1.0000

 220.8519, 0.3122,

 0.0000, 0.0000,

0.3638

0.0000

267.6789, 0.3123,
0.3616

■ 34.1268, 0.3104,
0.3963

■ 34.1268, 0.3104,
0.3963

■ 32.5552, 0.3091,
0.4291

■ 35.9803, 0.3115,
0.3664

■ 31.2475, 0.3077,
0.4638

■ 38.1238, 0.3124,
0.3397

■ 30.1906, 0.3062,
0.4989

■ 40.5706, 0.3131,
0.3163

■ 29.3684, 0.3046,
0.5319

■ 43.3320, 0.3137,
0.2961

■ 28.7631, 0.3031,
0.5602

■ 46.4185, 0.3142,
0.2786

■ 28.3542, 0.3018,
0.5816

■ 49.8401, 0.3146,
0.2636

■ 28.1173, 0.3008,
0.5946

■ 53.6067, 0.3149,
0.2507

■ 28.0357, 0.3006,
0.5996

■ 56.4907, 0.3167,
0.2441

Harmonies

Analogous

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



34.1268, 0.3524, 0.4062



34.1268, 0.3104, 0.3963



34.1268, 0.2708, 0.3638

Triad

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



34.1268, 0.3104, 0.3963



34.1268, 0.2434, 0.2644



34.1268, 0.3868, 0.3293

Complementary

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



34.1268, 0.3104, 0.3963



26.2299, 0.3145, 0.2695

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.



34.1268, 0.3536, 0.2968



34.1268, 0.3104, 0.3963



34.1268, 0.2705, 0.2604

Square

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



34.1268, 0.3104, 0.3963



34.1268, 0.2339, 0.2855



34.1268, 0.3104, 0.2723



34.1268, 0.3983, 0.3637

Rectangle

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



34.1268, 0.3104, 0.3963



34.1268, 0.2508, 0.3357



34.1268, 0.3104, 0.2723



34.1268, 0.3777, 0.3179

Sweetspot

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



34.1282, 0.3104, 0.3963



68.0572, 0.3121, 0.3466



37.3673, 0.3492, 0.3868



14.7850, 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.



34.1282, 0.3104, 0.3963



60.3952, 0.3098, 0.4128



34.6026, 0.2942, 0.3642



8.4157, 0.3120, 0.3523



21.1705, 0.3006, 0.5995



0.5176, 0.3036, 0.5971

Inverse Universe

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



26.2299, 0.3145, 0.2695



43.6873, 0.3148, 0.2569



25.6716, 0.3366, 0.2963



7.6577, 0.3134, 0.3067



8.1082, 0.3153, 0.1510



0.1999, 0.3173, 0.1521

Previews

White Background



This preview shows how the Yxy color 34.1268, 0.3104, 0.3963 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 34.1268, 0.3104, 0.3963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

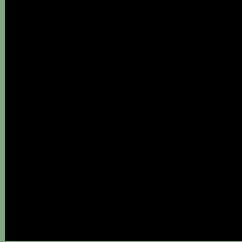
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1268, 0.3104, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 34.1268, 0.3104, 0.3963.



This preview shows how white text looks on a background with the Yxy color 34.1268, 0.3104, 0.3963.

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

34.1268, 0.3104, 0.3963

Protanopia

33.8439, 0.3570, 0.3810

Deuteranopia

33.7170, 0.3652, 0.3574



Tritanopia

34.1700, 0.2788, 0.3092

Trichromacy



Original Color

34.1268, 0.3104, 0.3963

Protanomaly

33.7173, 0.3383, 0.3864

Deuteranomaly

33.4070, 0.3430, 0.3698

Tritanomaly

34.0061, 0.2897, 0.3384

Monochromacy



Original Color

34.1268, 0.3104, 0.3963

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.9066, 0.3126, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1268, 0.3104, 0.3963 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(128, 168, 127)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 127)  
}
```

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(128, 168, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 127) }
```

Border

The CSS property to change the border of an element to Yxy 34.1268, 0.3104, 0.3963 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(128, 168, 127) }
```

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

```
.border{ border-color:rgb(128, 168, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 168, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1268, 0.3104, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 127) }
```

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

```
.background{ background-color: rgb(128,  
168, 127) }
```

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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