

Converting Colors

$Yxy(34.0337, 0.3134, 0.4024)$

Have a look what the booklet for
Yxy(34.0337, 0.3134, 0.4024)
contains.

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Color

Yxy(34.0245, 0.3137, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	80A87B
RGB	128, 168, 123
RGB Percent	50%, 66%, 48%
CMY	0.4980, 0.3412, 0.5177
CMYK	0.24, 0.00, 0.27, 0.34
HSL	113°, 21%, 57%
HSV	113°, 27%, 66%
XYZ	26.4785, 34.0245, 23.9041
YIQ	150.9100, -9.3950, -22.4750

Conversions

Conversions Part 2

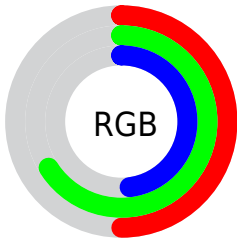
Format	Color
RYB	123, 168, 163
Decimal	8431739
CIELab	64.98, -22.51, 18.97
CIELCh	65, 29.436, 139.870
Yxy	34.0245, 0.3137, 0.4031
Android (android.graphics.Color)	4286621819 (0xFF80A87B)
YUV	150.9100, -13.7596, -20.0921
Hunter-Lab	58.3305, -21.0503, 16.5341

Details

The Yxy color **34.0245, 0.3137, 0.4031** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7741, 0.3101, 0.2627**, and the grayscale version is **30.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8550, 0.3142, 0.3866**, and **14.6049, 0.3128, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **32.5670, 0.3135, 0.4358**, and if you desaturate by 10%, it is **35.7274, 0.3135, 0.3729**.

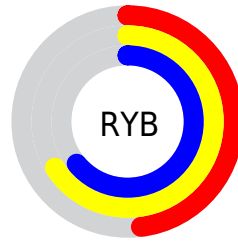
Distribution



Red (50%)

Green (66%)

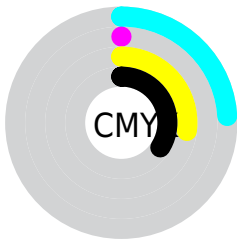
Blue (48%)



Red (48%)

Yellow (66%)

Blue (64%)

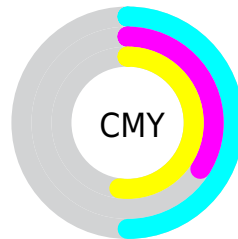


Cyan (24%)

Magenta (0%)

Yellow (27%)

Black (34%)



Cyan (50%)


Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0245, 0.3137, 0.4031 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 34.0245, 0.3137, 0.4031 by changing the saturation by 10% instead.


 34.0245, 0.3137,
0.4031


 34.0245, 0.3137,
0.4031


320.2413, 0.3140,
0.3626


 22.9124, 0.3133,
0.4145


 65.9718, 0.3141,
0.3875

 14.5289, 0.3124,
0.4299


 87.5757, 0.3141,
0.3819

 8.4894, 0.3107,
0.4520


 113.4458, 0.3141,
0.3773

 4.4097, 0.3069,
0.4860

143.9664, 0.3141,
0.3734

 1.9053, 0.3039,
0.5562

179.5218, 0.3141,
0.3701

 0.5515, 0.0000,
1.0000

220.4965, 0.3141,

 0.0000, 0.0000,

0.3673

0.0000

267.2749, 0.3141,
0.3648

■ 34.0245, 0.3137,
0.4031

■ 34.0245, 0.3137,
0.4031

■ 32.5670, 0.3135,
0.4358

■ 35.7274, 0.3135,
0.3729

■ 31.3395, 0.3130,
0.4699

■ 37.6818, 0.3131,
0.3457

■ 30.3315, 0.3119,
0.5038

■ 39.8990, 0.3125,
0.3216

■ 29.5298, 0.3103,
0.5354

■ 42.3880, 0.3118,
0.3005

■ 28.9202, 0.3082,
0.5622

■ 45.1578, 0.3111,
0.2821

■ 28.4862, 0.3059,
0.5822

■ 48.2167, 0.3103,
0.2662

■ 28.2072, 0.3035,
0.5945

■ 51.5729, 0.3096,
0.2524

■ 28.1430, 0.3030,
0.5976

■ 55.0794, 0.3106,
0.2425

■ 56.4873, 0.3167,
0.2441

Harmonies

Analogous

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



34.0245, 0.3581, 0.4112



34.0245, 0.3137, 0.4031



34.0245, 0.2709, 0.3697

Triad

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



34.0245, 0.3137, 0.4031



34.0245, 0.2375, 0.2614



34.0245, 0.3897, 0.3261

Complementary

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



34.0245, 0.3137, 0.4031



24.7741, 0.3101, 0.2627

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.



34.0245, 0.3528, 0.2922



34.0245, 0.3137, 0.4031



34.0245, 0.2647, 0.2559

Square

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



34.0245, 0.3137, 0.4031



34.0245, 0.2291, 0.2850



34.0245, 0.3064, 0.2672



34.0245, 0.4041, 0.3628

Rectangle

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



34.0245, 0.3137, 0.4031



34.0245, 0.2489, 0.3397



34.0245, 0.3064, 0.2672



34.0245, 0.3794, 0.3142

Sweetspot

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



34.0260, 0.3137, 0.4031



67.8689, 0.3132, 0.3492



35.8617, 0.3541, 0.3874



14.6753, 0.3132, 0.3530



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.



34.0260, 0.3137, 0.4031



60.1559, 0.3137, 0.4218



34.1175, 0.2955, 0.3745



8.4463, 0.3132, 0.3522



21.2629, 0.3033, 0.5974



0.5292, 0.3168, 0.5867

Inverse Universe

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



24.7741, 0.3101, 0.2627



40.5845, 0.3093, 0.2481



24.7129, 0.3351, 0.2876



7.6236, 0.3120, 0.3066



6.9940, 0.2935, 0.1390



0.1818, 0.3032, 0.1444

Previews

White Background



This preview shows how the Yxy color 34.0245, 0.3137, 0.4031 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 34.0245, 0.3137, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

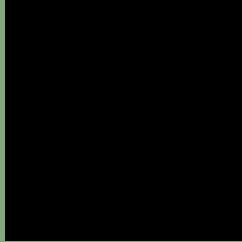
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0245, 0.3137, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 34.0245, 0.3137, 0.4031.



This preview shows how white text looks on a background with the Yxy color 34.0245, 0.3137, 0.4031.

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

34.0245, 0.3137, 0.4031

Protanopia

33.7468, 0.3609, 0.3869

Deuteranopia

33.7328, 0.3704, 0.3630



Tritanopia

33.8641, 0.2803, 0.3092

Trichromacy



Original Color

34.0245, 0.3137, 0.4031

Protanomaly

33.6181, 0.3419, 0.3927

Deuteranomaly

33.4068, 0.3479, 0.3758

Tritanomaly

33.9858, 0.2930, 0.3431

Monochromacy



Original Color

34.0245, 0.3137, 0.4031

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.8767, 0.3135, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0245, 0.3137, 0.4031 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 123) }
```

Border

The CSS property to change the border of an element to Yxy 34.0245, 0.3137, 0.4031 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, 123) }
```

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

```
.border{ border-color:rgb(128, 168, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0245, 0.3137, 0.4031 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, 123) }
```

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

```
.background{ background-color: rgb(128,  
168, 123) }
```

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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