

Converting Colors

$Y_{xy}(34.0280, 0.3810, 0.4531)$

Have a look what the booklet for
Yxy(34.0280, 0.3810, 0.4531)
contains.

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Color

Yxy(34.0280, 0.3810, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	9EA34F
RGB	158, 163, 79
RGB Percent	62%, 64%, 31%
CMY	0.3803, 0.3608, 0.6901
CMYK	0.03, 0.00, 0.52, 0.36
HSL	64°, 35%, 47%
HSV	64°, 52%, 64%
XYZ	28.6133, 34.0280, 12.4592
YIQ	151.9290, 23.9840, -27.1840

Conversions

Conversions Part 2

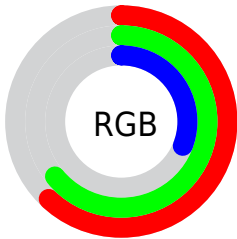
Format	Color
RYB	79, 163, 84
Decimal	10396495
CIELab	64.98, -13.97, 42.53
CIElCh	65, 44.767, 108.181
Yxy	34.0280, 0.3810, 0.4531
Android (android.graphics.Color)	4288586575 (0xFF9EA34F)
YUV	151.9290, -35.9540, 5.3243
Hunter-Lab	58.3335, -14.5274, 28.1700

Details

The Yxy color **34.0280, 0.3810, 0.4531** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.1221, 0.2210, 0.1713**, and the grayscale version is **31.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0507, 0.3696, 0.4296**, and **14.4006, 0.3958, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **33.7231, 0.3912, 0.4728**, and if you desaturate by 10%, it is **34.3950, 0.3691, 0.4307**.

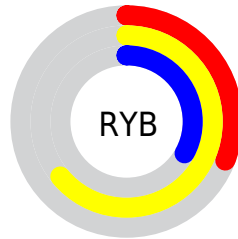
Distribution



Red (62%)

Green (64%)

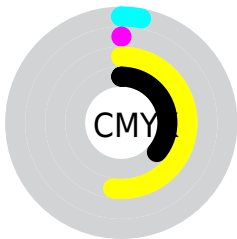
Blue (31%)



Red (31%)

Yellow (64%)

Blue (33%)

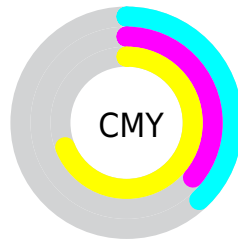


Cyan (3%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (38%)


Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0280, 0.3810, 0.4531 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 34.0280, 0.3810, 0.4531 by changing the saturation by 10% instead.


 34.0280, 0.3810,
0.4531


 34.0280, 0.3810,
0.4531


320.2569, 0.3479,
0.3876


 22.9151, 0.3881,
0.4698


 65.9772, 0.3696,
0.4289


 14.5308, 0.3961,
0.4910


 87.5823, 0.3651,
0.4198

 8.4908, 0.4044,
0.5181


 113.4536, 0.3612,
0.4123

 4.4106, 0.4240,
0.5711

 143.9755, 0.3578,
0.4059

 1.9058, 0.4056,
0.5944

 179.5324, 0.3549,
0.4003

 0.5518, 0.2496,
0.7504

220.5087, 0.3523,

 0.0000, 0.0000,

0.3955

0.0000

267.2887, 0.3499,
0.3913

■ 34.0280, 0.3810,
0.4531

■ 34.0280, 0.3810,
0.4531

■ 33.7231, 0.3912,
0.4728

■ 34.3950, 0.3691,
0.4307

■ 33.4712, 0.3992,
0.4890

■ 34.8233, 0.3560,
0.4066

■ 33.2691, 0.4048,
0.5011

■ 35.3180, 0.3423,
0.3817

■ 33.1108, 0.4079,
0.5090

■ 35.8825, 0.3284,
0.3568

■ 32.9996, 0.4091,
0.5134

■ 36.5197, 0.3148,
0.3326

■ 37.2325, 0.3017,
0.3095

■ 38.0238, 0.2893,
0.2879

■ 38.8960, 0.2778,
0.2679

■ 39.8517, 0.2671,
0.2495

Harmonies

Analogous

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



34.0280, 0.4318, 0.4203



34.0280, 0.3810, 0.4531



34.0280, 0.3150, 0.4480

Triad

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



34.0280, 0.3810, 0.4531



34.0280, 0.1914, 0.2633



34.0280, 0.3690, 0.2723

Complementary

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



34.0280, 0.3810, 0.4531



10.1221, 0.2210, 0.1713

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.



34.0280, 0.2978, 0.2383



34.0280, 0.3810, 0.4531



34.0280, 0.2019, 0.2301

Square

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



34.0280, 0.3810, 0.4531



34.0280, 0.2081, 0.3233



34.0280, 0.2383, 0.2229



34.0280, 0.4280, 0.3189

Rectangle

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



34.0280, 0.3810, 0.4531



34.0280, 0.2714, 0.4177



34.0280, 0.2383, 0.2229



34.0280, 0.3452, 0.2592

Sweetspot

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



34.0296, 0.3810, 0.4531



63.8716, 0.3336, 0.3661



14.5699, 0.4525, 0.3359



14.2996, 0.3364, 0.3711



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



34.0296, 0.3810, 0.4531



60.3188, 0.3927, 0.4757



30.5262, 0.3383, 0.4734



8.2158, 0.3253, 0.3513



25.6551, 0.4092, 0.5133



0.5450, 0.4131, 0.5102

Inverse Universe

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



10.1221, 0.2210, 0.1713



12.6200, 0.1979, 0.1330



12.6134, 0.2685, 0.1893



6.8790, 0.2995, 0.3058



2.1107, 0.1524, 0.0613



0.0500, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 34.0280, 0.3810, 0.4531 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 34.0280, 0.3810, 0.4531 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 34.0280, 0.3810, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 34.0280, 0.3810, 0.4531.



This preview shows how white text looks on a background with the Yxy color 34.0280, 0.3810, 0.4531.

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

34.0280, 0.3810, 0.4531

Protanopia

33.9882, 0.4031, 0.4417

Deuteranopia

33.7593, 0.4257, 0.4175



Tritanopia

34.0799, 0.3145, 0.3118

Trichromacy



Original Color

34.0280, 0.3810, 0.4531

Protanomaly

34.0165, 0.3944, 0.4458

Deuteranomaly

33.7401, 0.4086, 0.4305

Tritanomaly

33.7277, 0.3413, 0.3635

Monochromacy



Original Color

34.0280, 0.3810, 0.4531

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1276, 0.3397, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0280, 0.3810, 0.4531 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(158, 163, 79)` looks like.

```
.text, #text, p{  
    color:rgb(158, 163, 79)  
}
```

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(158, 163, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 163, 79) }
```

Border

The CSS property to change the border of an element to Yxy 34.0280, 0.3810, 0.4531 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(158, 163, 79) }
```

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

```
.border{ border-color:rgb(158, 163, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 163, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 163, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 163, 79);  
box-shadow:4px 4px 4px 4px rgb(158, 163,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0280, 0.3810, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 163, 79) }
```

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

```
.background{ background-color: rgb(158,  
163, 79) }
```

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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