

Converting Colors

$Y_{xy}(33.1578, 0.4098, 0.4648)$

Have a look what the booklet for
Yxy(33.1578, 0.4098, 0.4648)
contains.

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Color

Yxy(33.0943, 0.4093, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	A89E3B
RGB	168, 158, 59
RGB Percent	66%, 62%, 23%
CMY	0.3413, 0.3803, 0.7685
CMYK	0.00, 0.06, 0.65, 0.34
HSL	55°, 48%, 45%
HSV	55°, 65%, 66%
XYZ	29.1615, 33.0943, 8.9914
YIQ	149.7040, 37.7390, -28.6690

Conversions

Conversions Part 2

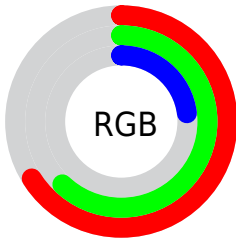
Format	Color
RYB	70, 168, 59
Decimal	11050555
CIELab	64.24, -8.62, 51.25
CIELCh	64, 51.966, 99.547
Yxy	33.0943, 0.4093, 0.4645
Android (android.graphics.Color)	4289240635 (0xFFA89E3B)
YUV	149.7040, -44.7171, 16.0456
Hunter-Lab	57.5276, -10.1896, 31.0025

Details

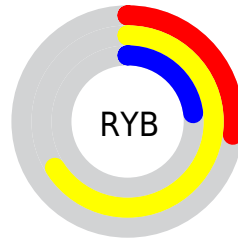
The Yxy color **33.0943, 0.4093, 0.4645** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.0117, 0.1929, 0.1405**, and the grayscale version is **30.5488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4034, 0.3941, 0.4393**, and **14.0261, 0.4285, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **32.4277, 0.4201, 0.4774**, and if you desaturate by 10%, it is **33.8266, 0.3964, 0.4479**.

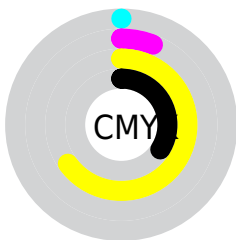
Distribution



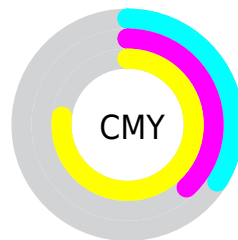
- Red (66%)
- Green (62%)
- Blue (23%)



- Red (27%)
- Yellow (66%)
- Blue (23%)



- Cyan (0%)
- Magenta (6%)
- Yellow (65%)
- Black (34%)




- Cyan (34%)
- Magenta (38%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0943, 0.4093, 0.4645 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 33.0943, 0.4093, 0.4645 by changing the saturation by 10% instead.


 33.0943, 0.4093,
0.4645


 33.0943, 0.4093,
0.4645


 316.0744, 0.3626,
0.3953


 22.1987, 0.4189,
0.4806


 64.5227, 0.3935,
0.4398

 14.0030, 0.4294,
0.4999


 85.8243, 0.3871,
0.4303


 8.1227, 0.4409,
0.5240


 111.3634, 0.3816,
0.4222

 4.1736, 0.4492,
0.5508

 141.5243, 0.3768,
0.4153

 1.7711, 0.4363,
0.5637

 176.6915, 0.3726,
0.4093

 0.4691, 0.3342,
0.6658

 217.2493, 0.3689,

 0.0000, 0.0000,

0.4040

0.0000

263.5822, 0.3656,
0.3994

■ 33.0943, 0.4093,
0.4645

■ 33.0943, 0.4093,
0.4645

■ 32.4277, 0.4201,
0.4774

■ 33.8266, 0.3964,
0.4479

■ 31.8166, 0.4283,
0.4861

■ 34.6249, 0.3819,
0.4285

■ 31.2556, 0.4338,
0.4905

■ 35.4951, 0.3665,
0.4070

■ 30.9782, 0.4362,
0.4919

■ 36.4411, 0.3506,
0.3846

■ 37.4667, 0.3350,
0.3618

■ 38.5751, 0.3198,
0.3395

■ 39.7697, 0.3055,
0.3181

■ 41.0533, 0.2921,
0.2979

■ 42.4290, 0.2797,
0.2791

Harmonies

Analogous

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



33.0943, 0.4609, 0.4159



33.0943, 0.4093, 0.4645



33.0943, 0.3358, 0.4777

Triad

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



33.0943, 0.4093, 0.4645



33.0943, 0.1762, 0.2682



33.0943, 0.3539, 0.2508

Complementary

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



33.0943, 0.4093, 0.4645



8.0117, 0.1929, 0.1405

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.



33.0943, 0.2726, 0.2181



33.0943, 0.4093, 0.4645



33.0943, 0.1797, 0.2223

Square

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



33.0943, 0.4093, 0.4645



33.0943, 0.2031, 0.3457



33.0943, 0.2121, 0.2072



33.0943, 0.4312, 0.2997

Rectangle

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



33.0943, 0.4093, 0.4645



33.0943, 0.2843, 0.4536



33.0943, 0.2121, 0.2072



33.0943, 0.3256, 0.2377

Sweetspot

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



33.0959, 0.4093, 0.4645



67.1566, 0.3419, 0.3720



11.8938, 0.4978, 0.3147



14.5266, 0.3463, 0.3783



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.



33.0959, 0.4093, 0.4645



58.3442, 0.4241, 0.4819



32.6271, 0.3563, 0.5019



8.6548, 0.3264, 0.3493



23.4401, 0.4360, 0.4920



0.6031, 0.4299, 0.4969

Inverse Universe

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



8.0117, 0.1929, 0.1405



9.4191, 0.1699, 0.1007



8.8169, 0.2325, 0.1446



7.4068, 0.2986, 0.3078



2.4365, 0.1521, 0.0675



0.0924, 0.1609, 0.0991

Previews

White Background



This preview shows how the Yxy color 33.0943, 0.4093, 0.4645 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 33.0943, 0.4093, 0.4645 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 33.0943, 0.4093, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 33.0943, 0.4093, 0.4645.



This preview shows how white text looks on a background with the Yxy color 33.0943, 0.4093, 0.4645.

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

33.0943, 0.4093, 0.4645

Protanopia

33.0811, 0.4182, 0.4595

Deuteranopia

32.9969, 0.4444, 0.4350



Tritanopia

33.0650, 0.3311, 0.3122

Trichromacy



Original Color

33.0943, 0.4093, 0.4645

Protanomaly

33.1901, 0.4152, 0.4619

Deuteranomaly

33.1077, 0.4317, 0.4456

Tritanomaly

32.8852, 0.3644, 0.3715

Monochromacy



Original Color

33.0943, 0.4093, 0.4645

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2349, 0.3515, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0943, 0.4093, 0.4645 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(168, 158, 59)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 59)  
}
```

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(168, 158, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 59) }
```

Border

The CSS property to change the border of an element to Yxy 33.0943, 0.4093, 0.4645 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(168, 158, 59) }
```

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

```
.border{ border-color:rgb(168, 158, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 59);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
59) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 33.0943, 0.4093, 0.4645$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 59) }
```

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

```
.background{ background-color: rgb(168,  
158, 59) }
```

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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