

Converting Colors

$Y_{xy}(32.0921, 0.3946, 0.4841)$

Have a look what the booklet for
Yxy(32.0921, 0.3946, 0.4841)
contains.

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Color

Yxy(32.0649, 0.3945, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	98A034
RGB	152, 160, 52
RGB Percent	60%, 63%, 20%
CMY	0.4039, 0.3725, 0.7961
CMYK	0.05, 0.00, 0.68, 0.37
HSL	64°, 51%, 42%
HSV	64°, 68%, 63%
XYZ	26.1409, 32.0649, 8.0576
YIQ	145.2960, 29.9000, -35.2840

Conversions

Conversions Part 2

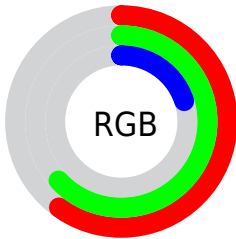
Format	Color
RYB	52, 160, 60
Decimal	10002484
CIELab	63.40, -17.07, 52.92
CIELCh	63, 55.606, 107.873
Yxy	32.0649, 0.3945, 0.4839
Android (android.graphics.Color)	4288192564 (0xFF98A034)
YUV	145.2960, -45.9949, 5.8794
Hunter-Lab	56.6259, -16.6920, 31.2014

Details

The Yxy color **32.0649, 0.3945, 0.4839** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.9522, 0.1914, 0.1207**, and the grayscale version is **28.6246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1761, 0.3821, 0.4542**, and **13.5339, 0.4025, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **31.8322, 0.4009, 0.4980**, and if you desaturate by 10%, it is **32.3505, 0.3858, 0.4659**.

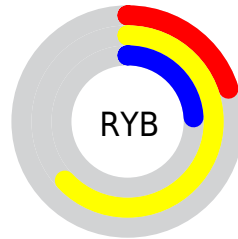
Distribution



Red (60%)

Green (63%)

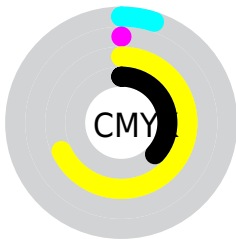
Blue (20%)



Red (20%)

Yellow (63%)

Blue (24%)

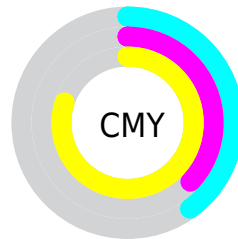


Cyan (5%)

Magenta (0%)

Yellow (68%)

Black (37%)



Cyan (40%)


Magenta (37%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0649, 0.3945, 0.4839 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 32.0649, 0.3945, 0.4839 by changing the saturation by 10% instead.


 32.0649, 0.3945,
0.4839

 32.0649, 0.3945,
0.4839


 311.4148, 0.3566,
0.4027

 21.4111, 0.4013,
0.5036


 62.9128, 0.3823,
0.4544


 13.4248, 0.4077,
0.5275


 83.8757, 0.3771,
0.4432


 7.7217, 0.4151,
0.5612


 109.0437, 0.3726,
0.4338

 3.9174, 0.4089,
0.5911

 138.8013, 0.3686,
0.4257

 1.6275, 0.3811,
0.6189

 173.5328, 0.3650,
0.4187

 0.3760, 0.0000,
1.0000

 213.6226, 0.3619,

 0.0000, 0.0000,

0.4127

0.0000

259.4551, 0.3591,
0.4074

■ 32.0649, 0.3945,
0.4839

■ 32.0649, 0.3945,
0.4839

■ 31.8322, 0.4009,
0.4980

■ 32.3505, 0.3858,
0.4659

■ 31.6429, 0.4047,
0.5080

■ 32.6891, 0.3751,
0.4448

■ 31.4899, 0.4063,
0.5140

■ 33.0861, 0.3629,
0.4214

■ 31.4536, 0.4066,
0.5154

■ 33.5451, 0.3498,
0.3967

■ 34.0693, 0.3362,
0.3717

■ 34.6620, 0.3227,
0.3470

■ 35.3258, 0.3095,
0.3232

■ 36.0635, 0.2969,
0.3007

■ 36.8776, 0.2850,
0.2798

Harmonies

Analogous

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



32.0649, 0.4591, 0.4367



32.0649, 0.3945, 0.4839



32.0649, 0.3130, 0.4841

Triad

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



32.0649, 0.3945, 0.4839



32.0649, 0.1651, 0.2456



32.0649, 0.3821, 0.2583

Complementary

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



32.0649, 0.3945, 0.4839



5.9522, 0.1914, 0.1207

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.



32.0649, 0.2919, 0.2183



32.0649, 0.3945, 0.4839



32.0649, 0.1775, 0.2072

Square

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



32.0649, 0.3945, 0.4839



32.0649, 0.1839, 0.3202



32.0649, 0.2199, 0.1999



32.0649, 0.4582, 0.3131

Rectangle

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



32.0649, 0.3945, 0.4839



32.0649, 0.2596, 0.4456



32.0649, 0.2199, 0.1999



32.0649, 0.3516, 0.2429

Sweetspot

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



32.0664, 0.3945, 0.4839



61.5733, 0.3402, 0.3789



10.8683, 0.5212, 0.3394



13.4484, 0.3437, 0.3855



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.0664, 0.3945, 0.4839



57.6143, 0.4031, 0.5036



28.0306, 0.3389, 0.5187



7.6954, 0.3250, 0.3512



24.5098, 0.4067, 0.5153



0.4449, 0.4121, 0.5110

Inverse Universe

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



5.9522, 0.1914, 0.1207



6.8446, 0.1680, 0.0840



8.5160, 0.2525, 0.1492



6.4575, 0.2998, 0.3060



2.0453, 0.1531, 0.0617



0.0427, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 32.0649, 0.3945, 0.4839 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 32.0649, 0.3945, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

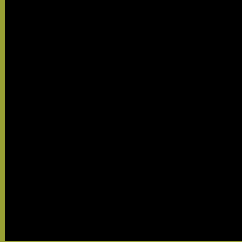
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0649, 0.3945, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 32.0649, 0.3945, 0.4839.



This preview shows how white text looks on a background with the Yxy color 32.0649, 0.3945, 0.4839.

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

32.0649, 0.3945, 0.4839

Protanopia

32.1121, 0.4228, 0.4658

Deuteranopia

31.9295, 0.4468, 0.4389



Tritanopia

32.0673, 0.3145, 0.3128

Trichromacy



Original Color

32.0649, 0.3945, 0.4839

Protanomaly

32.0153, 0.4127, 0.4718

Deuteranomaly

31.7562, 0.4281, 0.4549

Tritanomaly

31.7608, 0.3484, 0.3801

Monochromacy



Original Color

32.0649, 0.3945, 0.4839

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.2563, 0.3486, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0649, 0.3945, 0.4839 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(152, 160, 52)` looks like.

```
.text, #text, p{  
    color:rgb(152, 160, 52)  
}
```

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(152, 160, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 160, 52) }
```

Border

The CSS property to change the border of an element to Yxy 32.0649, 0.3945, 0.4839 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(152, 160, 52) }
```

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

```
.border{ border-color:rgb(152, 160, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 160, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 160, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 160, 52);  
box-shadow:4px 4px 4px 4px rgb(152, 160,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0649, 0.3945, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 160, 52) }
```

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

```
.background{ background-color: rgb(152,  
160, 52) }
```

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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