

Converting Colors

Yxy(39.8642, 0.4107, 0.4813)

Have a look what the booklet for
Yxy(39.8642, 0.4107, 0.4813)
contains.

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Color

Yxy(39.9674, 0.4106, 0.4817)

Conversions

Conversions Part 1

Format	Color
Hex	B2AE32
RGB	178, 174, 50
RGB Percent	70%, 68%, 20%
CMY	0.3020, 0.3176, 0.8039
CMYK	0.00, 0.02, 0.72, 0.30
HSL	58°, 56%, 45%
HSV	58°, 72%, 70%
XYZ	34.0681, 39.9674, 8.9360
YIQ	161.0600, 42.1880, -37.7160

Conversions

Conversions Part 2

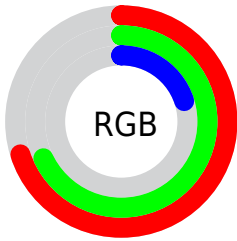
Format	Color
RYB	54, 178, 50
Decimal	11710002
CIELab	69.45, -13.13, 60.41
CIELCh	69, 61.817, 102.263
Yxy	39.9674, 0.4106, 0.4817
Android (android.graphics.Color)	4289900082 (0xFFB2AE32)
YUV	161.0600, -54.7526, 14.8564
Hunter-Lab	63.2198, -14.4438, 35.8733

Details

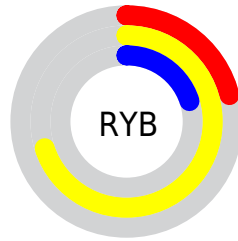
The Yxy color **39.9674, 0.4106, 0.4817** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.5268, 0.1778, 0.1088**, and the grayscale version is **35.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0631, 0.3970, 0.4550**, and **18.0566, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **39.6317, 0.4178, 0.4921**, and if you desaturate by 10%, it is **40.3675, 0.4009, 0.4672**.

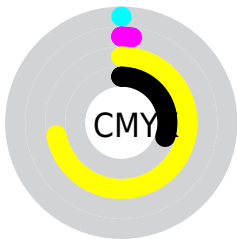
Distribution



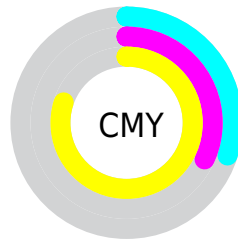
- Red (70%)
- Green (68%)
- Blue (20%)



- Red (21%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (72%)
- Black (30%)




- Cyan (30%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9674, 0.4106, 0.4817 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 39.9674, 0.4106, 0.4817 by changing the saturation by 10% instead.


 39.9674, 0.4106,
0.4817


 39.9674, 0.4106,
0.4817


345.9861, 0.3666,
0.4065

 27.5131, 0.4184,
0.4982


 75.1139, 0.3966,
0.4557


 17.9590, 0.4262,
0.5173


 98.5749, 0.3907,
0.4454


 10.9205, 0.4334,
0.5403


 126.4735, 0.3855,
0.4366

 6.0134, 0.4356,
0.5644

 159.1943, 0.3808,
0.4289

 2.8532, 0.4206,
0.5794

 197.1216, 0.3766,
0.4222

 1.0556, 0.3895,
0.6105

 240.6397, 0.3729,

 0.0000, 0.0000,

0.4164

0.0000

290.1331, 0.3696,
0.4112

■ 39.9674, 0.4106,
0.4817

■ 39.9674, 0.4106,
0.4817

■ 39.6317, 0.4178,
0.4921

■ 40.3675, 0.4009,
0.4672

■ 39.3473, 0.4224,
0.4982

■ 40.8324, 0.3889,
0.4490

■ 39.1436, 0.4248,
0.5009

■ 41.3695, 0.3754,
0.4280

■ 41.9837, 0.3607,
0.4050

■ 42.6794, 0.3455,
0.3811

■ 43.4607, 0.3303,
0.3570

■ 44.3313, 0.3155,
0.3334

■ 45.2950, 0.3014,
0.3108

■ 46.3550, 0.2881,
0.2896

Harmonies

Analogous

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



39.9674, 0.4718, 0.4275



39.9674, 0.4106, 0.4817



39.9674, 0.3284, 0.4949

Triad

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



39.9674, 0.4106, 0.4817



39.9674, 0.1623, 0.2542



39.9674, 0.3666, 0.2472

Complementary

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



39.9674, 0.4106, 0.4817



6.5268, 0.1778, 0.1088

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.



39.9674, 0.2752, 0.2100



39.9674, 0.4106, 0.4817



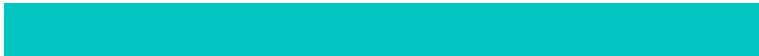
39.9674, 0.1693, 0.2084

Square

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



39.9674, 0.4106, 0.4817



39.9674, 0.1875, 0.3376



39.9674, 0.2067, 0.1958



39.9674, 0.4513, 0.3010

Rectangle

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



39.9674, 0.4106, 0.4817



39.9674, 0.2724, 0.4642



39.9674, 0.2067, 0.1958



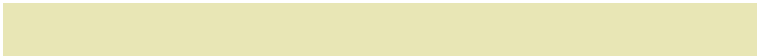
39.9674, 0.3349, 0.2326

Sweetspot

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



39.9693, 0.4106, 0.4817



77.3547, 0.3462, 0.3822



12.0124, 0.5457, 0.3250



17.0604, 0.3503, 0.3887



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.9693, 0.4106, 0.4817



71.5907, 0.4207, 0.4960



35.9317, 0.3497, 0.5237



9.8606, 0.3264, 0.3508



28.0333, 0.4247, 0.5010



0.8960, 0.4231, 0.5023

Inverse Universe

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



6.5268, 0.1778, 0.1088



7.5735, 0.1582, 0.0754



8.7920, 0.2312, 0.1305



8.2709, 0.2985, 0.3062



2.4028, 0.1507, 0.0624



0.0895, 0.1535, 0.0725

Previews

White Background



This preview shows how the Yxy color 39.9674, 0.4106, 0.4817 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 39.9674, 0.4106, 0.4817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

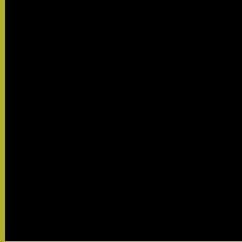
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9674, 0.4106, 0.4817

Background



This preview shows how black text looks on a background with the Yxy color 39.9674, 0.4106, 0.4817.



This preview shows how white text looks on a background with the Yxy color 39.9674, 0.4106, 0.4817.

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

39.9674, 0.4106, 0.4817

Protanopia

39.9184, 0.4265, 0.4708

Deuteranopia

39.7626, 0.4535, 0.4443



Tritanopia

39.7546, 0.3268, 0.3120

Trichromacy



Original Color

39.9674, 0.4106, 0.4817

Protanomaly

39.7867, 0.4217, 0.4744

Deuteranomaly

39.8088, 0.4382, 0.4578

Tritanomaly

39.1984, 0.3637, 0.3785

Monochromacy



Original Color

39.9674, 0.4106, 0.4817

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.8684, 0.3537, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9674, 0.4106, 0.4817 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(178, 174, 50)` looks like.

```
.text, #text, p{  
    color:rgb(178, 174, 50)  
}
```

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(178, 174, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 174, 50) }
```

Border

The CSS property to change the border of an element to Yxy 39.9674, 0.4106, 0.4817 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(178, 174, 50) }
```

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

```
.border{ border-color:rgb(178, 174, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 174, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 174, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 174, 50);  
box-shadow:4px 4px 4px 4px rgb(178, 174,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9674, 0.4106, 0.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 174, 50) }
```

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

```
.background{ background-color: rgb(178,  
174, 50) }
```

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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