

Converting Colors

$Yxy(39.7915, 0.3516, 0.4982)$

Have a look what the booklet for
Yxy(39.7915, 0.3516, 0.4982)
contains.

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Color

Yxy(39.7915, 0.3516, 0.4982)

Conversions

Conversions Part 1

Format	Color
Hex	86B846
RGB	134, 184, 70
RGB Percent	53%, 72%, 27%
CMY	0.4744, 0.2784, 0.7254
CMYK	0.27, 0.00, 0.62, 0.28
HSL	86°, 45%, 50%
HSV	86°, 62%, 72%
XYZ	28.0825, 39.7915, 11.9966
YIQ	156.0540, 6.7940, -46.0540

Conversions

Conversions Part 2

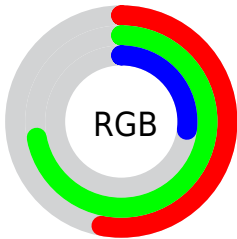
Format	Color
RYB	70, 184, 120
Decimal	8828998
CIELab	69.32, -34.74, 51.22
CIELCh	69, 61.895, 124.147
Yxy	39.7915, 0.3516, 0.4982
Android (android.graphics.Color)	4287019078 (0xFF86B846)
YUV	156.0540, -42.4246, -19.3414
Hunter-Lab	63.0805, -30.9254, 32.8807

Details

The Yxy color **39.7915, 0.3516, 0.4982** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.8336, 0.2411, 0.1535**, and the grayscale version is **33.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6974, 0.3479, 0.4643**, and **17.9622, 0.3520, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **38.9575, 0.3530, 0.5219**, and if you desaturate by 10%, it is **40.7507, 0.3481, 0.4714**.

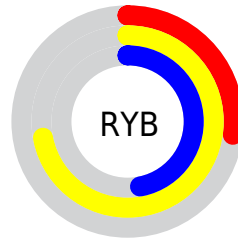
Distribution



Red (53%)

Green (72%)

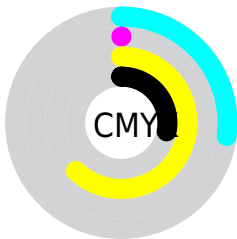
Blue (27%)



Red (27%)

Yellow (72%)

Blue (47%)

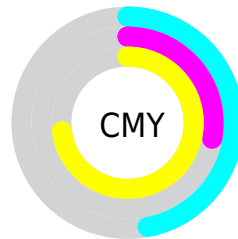


Cyan (27%)

Magenta (0%)

Yellow (62%)

Black (28%)



Cyan (47%)


Magenta (28%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7915, 0.3516, 0.4982 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 39.7915, 0.3516, 0.4982 by changing the saturation by 10% instead.


 39.7915, 0.3516,
0.4982


 39.7915, 0.3516,
0.4982


345.2440, 0.3370,
0.4083


 27.3760, 0.3528,
0.5212


 74.8459, 0.3479,
0.4648

 17.8558, 0.3524,
0.5505


 98.2536, 0.3460,
0.4524


 10.8465, 0.3485,
0.5880


 126.0942, 0.3442,
0.4421

 5.9637, 0.3456,
0.6544

 158.7521, 0.3425,
0.4333

 2.8230, 0.3041,
0.6959

 196.6116, 0.3409,
0.4257

 1.0401, 0.1131,
0.8869

240.0571, 0.3395,

 0.0000, 0.0000,

0.4191

0.0000

289.4731, 0.3382,
0.4134

■ 39.7915, 0.3516,
0.4982

■ 39.7915, 0.3516,
0.4982

■ 38.9575, 0.3530,
0.5219

■ 40.7507, 0.3481,
0.4714

■ 38.2356, 0.3522,
0.5413

■ 41.8369, 0.3429,
0.4429

■ 37.6184, 0.3491,
0.5555

■ 43.0581, 0.3366,
0.4140

■ 37.1838, 0.3454,
0.5640

■ 44.4201, 0.3294,
0.3857

■ 45.9285, 0.3218,
0.3588

■ 47.5883, 0.3142,
0.3337

■ 49.4043, 0.3067,
0.3106

■ 51.3811, 0.2994,
0.2896

■ 53.5232, 0.2926,
0.2707

Harmonies

Analogous

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



39.7915, 0.4303, 0.4697



39.7915, 0.3516, 0.4982



39.7915, 0.2672, 0.4601

Triad

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



39.7915, 0.3516, 0.4982



39.7915, 0.1641, 0.2170



39.7915, 0.4318, 0.2852

Complementary

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



39.7915, 0.3516, 0.4982



11.8336, 0.2411, 0.1535

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.



39.7915, 0.3410, 0.2350



39.7915, 0.3516, 0.4982



39.7915, 0.1932, 0.1960

Square

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



39.7915, 0.3516, 0.4982



39.7915, 0.1655, 0.2730



39.7915, 0.2536, 0.2035



39.7915, 0.4862, 0.3459

Rectangle

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



39.7915, 0.3516, 0.4982



39.7915, 0.2191, 0.3995



39.7915, 0.2536, 0.2035



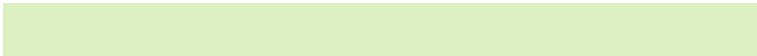
39.7915, 0.4036, 0.2669

Sweetspot

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



39.7932, 0.3516, 0.4982



81.2208, 0.3274, 0.3785



23.9228, 0.4556, 0.3960



17.3482, 0.3296, 0.3863



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.7932, 0.3516, 0.4982



70.1720, 0.3530, 0.5288



36.3251, 0.3079, 0.5237



10.3022, 0.3198, 0.3520



25.6705, 0.3462, 0.5633



0.9409, 0.3649, 0.5485

Inverse Universe

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



11.8336, 0.2411, 0.1535



15.3348, 0.2220, 0.1205



17.1191, 0.3098, 0.1839



8.9068, 0.3051, 0.3058



3.6203, 0.1922, 0.0832



0.1644, 0.2225, 0.1000

Previews

White Background



This preview shows how the Yxy color 39.7915, 0.3516, 0.4982 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 39.7915, 0.3516, 0.4982 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 39.7915, 0.3516, 0.4982

Background



This preview shows how black text looks on a background with the Yxy color 39.7915, 0.3516, 0.4982.



This preview shows how white text looks on a background with the Yxy color 39.7915, 0.3516, 0.4982.

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

39.7915, 0.3516, 0.4982

Protanopia

39.4606, 0.4164, 0.4575

Deuteranopia

39.2327, 0.4374, 0.4268



Tritanopia

39.4398, 0.2822, 0.3090

Trichromacy



Original Color

39.7915, 0.3516, 0.4982

Protanomaly

39.0022, 0.3918, 0.4731

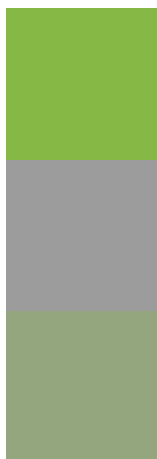
Deuteranomaly

38.8154, 0.4052, 0.4531

Tritanomaly

38.9936, 0.3104, 0.3776

Monochromacy



Original Color

39.7915, 0.3516, 0.4982

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.0490, 0.3313, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7915, 0.3516, 0.4982 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(134, 184, 70)` looks like.

```
.text, #text, p{  
    color:rgb(134, 184, 70)  
}
```

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(134, 184, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 184, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.7915, 0.3516, 0.4982 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(134, 184, 70) }
```

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

```
.border{ border-color:rgb(134, 184, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 184, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 184, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 184, 70);  
box-shadow:4px 4px 4px 4px rgb(134, 184,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.7915, 0.3516, 0.4982$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 184, 70) }
```

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

```
.background{ background-color: rgb(134,  
184, 70) }
```

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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