

Converting Colors

$Yxy(38.8068, 0.3109, 0.4515)$

Have a look what the booklet for
Yxy(38.8068, 0.3109, 0.4515)
contains.

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Color

Yxy(38.9625, 0.3107, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	72B86D
RGB	114, 184, 109
RGB Percent	45%, 72%, 43%
CMY	0.5531, 0.2784, 0.5725
CMYK	0.38, 0.00, 0.41, 0.28
HSL	116°, 35%, 57%
HSV	116°, 41%, 72%
XYZ	26.8358, 38.9625, 20.5739
YIQ	154.5200, -17.6450, -38.1650

Conversions

Conversions Part 2

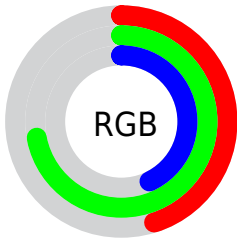
Format	Color
RYB	109, 184, 179
Decimal	7518317
CIELab	68.72, -37.17, 31.31
CIELCh	69, 48.602, 139.894
Yxy	38.9625, 0.3107, 0.4511
Android (android.graphics.Color)	4285708397 (0xFF72B86D)
YUV	154.5200, -22.4414, -35.5360
Hunter-Lab	62.4199, -32.4935, 24.1517

Details

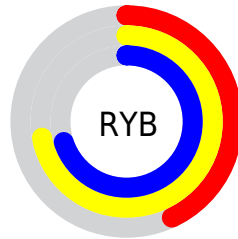
The Yxy color **38.9625, 0.3107, 0.4511** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9891, 0.3117, 0.2285**, and the grayscale version is **32.6585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3284, 0.3131, 0.4256**, and **17.2836, 0.3059, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **37.5628, 0.3095, 0.4861**, and if you desaturate by 10%, it is **40.6650, 0.3116, 0.4170**.

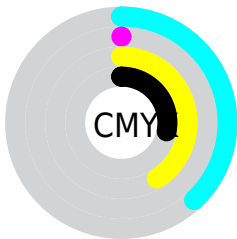
Distribution



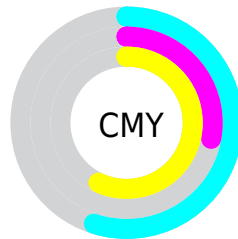
- Red (45%)
- Green (72%)
- Blue (43%)



- Red (43%)
- Yellow (72%)
- Blue (70%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)




- Cyan (55%)
- Magenta (28%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9625, 0.3107, 0.4511 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 38.9625, 0.3107, 0.4511 by changing the saturation by 10% instead.


 38.9625, 0.3107,
0.4511

 38.9625, 0.3107,
0.4511


341.7310, 0.3141,
0.3846


 26.7306, 0.3088,
0.4694


 73.5810, 0.3126,
0.4256


 17.3710, 0.3057,
0.4940


 96.7364, 0.3131,
0.4165

 10.4993, 0.3002,
0.5283


 124.3017, 0.3135,
0.4089

 5.7313, 0.2893,
0.5787

 156.6613, 0.3137,
0.4025

 2.6824, 0.2824,
0.6998

194.1997, 0.3138,
0.3970

 0.9682, 0.0107,
0.9893


237.3012, 0.3139,


 0.0000, 0.0000,


0.3923


0.0000


286.3501, 0.3140,
0.3882


 38.9625, 0.3107,
0.4511


 38.9625, 0.3107,
0.4511

 37.5628, 0.3095,
0.4861


 40.6650, 0.3116,
0.4170


 36.4435, 0.3080,
0.5199


 42.6812, 0.3122,
0.3852

 35.5871, 0.3063,
0.5501


 45.0277, 0.3125,
0.3564


 34.9720, 0.3044,
0.5742


 47.7184, 0.3127,
0.3308

 34.5733, 0.3026,
0.5903


 50.7663, 0.3127,
0.3084

 34.3648, 0.3014,
0.5989

 54.1840, 0.3127,
0.2890

 57.9831, 0.3125,
0.2723

 62.0968, 0.3132,
0.2589

 62.7656, 0.3160,
0.2595

Harmonies

Analogous

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



38.9625, 0.3793, 0.4586



38.9625, 0.3107, 0.4511



38.9625, 0.2462, 0.3948

Triad

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



38.9625, 0.3107, 0.4511



38.9625, 0.1997, 0.2256



38.9625, 0.4349, 0.3212

Complementary

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



38.9625, 0.3107, 0.4511



23.9891, 0.3117, 0.2285

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.



38.9625, 0.3751, 0.2728



38.9625, 0.3107, 0.4511



38.9625, 0.2386, 0.2198

Square

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



38.9625, 0.3107, 0.4511



38.9625, 0.1874, 0.2580



38.9625, 0.3012, 0.2369



38.9625, 0.4560, 0.3749

Rectangle

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



38.9625, 0.3107, 0.4511



38.9625, 0.2143, 0.3436



38.9625, 0.3012, 0.2369



38.9625, 0.4183, 0.3041

Sweetspot

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



38.9641, 0.3107, 0.4511



80.9652, 0.3125, 0.3603



43.5402, 0.3752, 0.4226



17.3314, 0.3125, 0.3639



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.



38.9641, 0.3107, 0.4511



68.3012, 0.3096, 0.4828



39.4750, 0.2850, 0.3976



10.0877, 0.3126, 0.3525



23.6925, 0.3017, 0.5986



0.8448, 0.3087, 0.5931

Inverse Universe

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



23.9891, 0.3117, 0.2285



37.3994, 0.3111, 0.2080



23.3801, 0.3563, 0.2699



9.1317, 0.3127, 0.3064



8.4299, 0.3046, 0.1452



0.3063, 0.3091, 0.1476

Previews

White Background



This preview shows how the Yxy color 38.9625, 0.3107, 0.4511 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 38.9625, 0.3107, 0.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

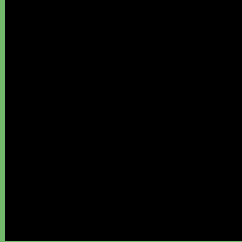
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9625, 0.3107, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 38.9625, 0.3107, 0.4511.



This preview shows how white text looks on a background with the Yxy color 38.9625, 0.3107, 0.4511.

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

38.9625, 0.3107, 0.4511

Protanopia

38.5418, 0.3852, 0.4181

Deuteranopia

38.5215, 0.3948, 0.3878



Tritanopia

39.0012, 0.2654, 0.3084

Trichromacy



Original Color

38.9625, 0.3107, 0.4511



Protanomaly

38.0752, 0.3547, 0.4301



Deuteranomaly

37.8930, 0.3606, 0.4101



Tritanomaly

38.6639, 0.2822, 0.3568

Monochromacy



Original Color

38.9625, 0.3107, 0.4511



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.6829, 0.3125, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9625, 0.3107, 0.4511 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(114, 184, 109)` looks like.

```
.text, #text, p{  
    color:rgb(114, 184, 109)  
}
```

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(114, 184, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 184, 109) }
```

Border

The CSS property to change the border of an element to Yxy 38.9625, 0.3107, 0.4511 is called "border". The border property can be set on classes, ids or directly on the HTML element.

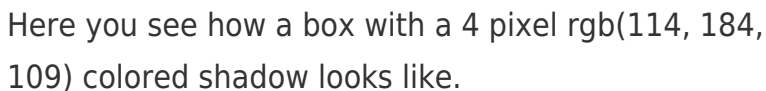
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 184, 109) }
```

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

```
.border{ border-color:rgb(114, 184, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 184, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 184, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 184, 109);  
box-shadow:4px 4px 4px 4px rgb(114, 184,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9625, 0.3107, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 184, 109) }
```

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

```
.background{ background-color: rgb(114,  
184, 109) }
```

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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