

Converting Colors

$Yxy(38.2942, 0.2811, 0.4523)$

Have a look what the booklet for
Yxy(38.2942, 0.2811, 0.4523)
contains.

Yxy(38.2975, 0.2810, 0.4517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.2975, 0.2810, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	4BBB74
RGB	75, 187, 116
RGB Percent	29%, 73%, 45%
CMY	0.7059, 0.2667, 0.5450
CMYK	0.60, 0.00, 0.38, 0.27
HSL	142°, 45%, 51%
HSV	142°, 60%, 73%
XYZ	23.8247, 38.2975, 22.6631
YIQ	145.4180, -43.9610, -45.8250

Conversions

Conversions Part 2

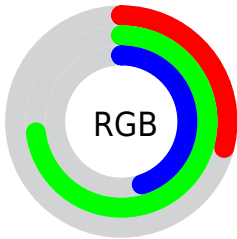
Format	Color
RYB	75, 157, 187
Decimal	4963188
CIELab	68.24, -47.84, 26.71
CIELCh	68, 54.795, 150.823
Yxy	38.2975, 0.2810, 0.4517
Android (android.graphics.Color)	4283153268 (0xFF4BBB74)
YUV	145.4180, -14.5031, -61.7566
Hunter-Lab	61.8850, -39.5793, 21.6067

Details

The Yxy color **38.2975, 0.2810, 0.4517** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.6719, 0.3761, 0.2357**, and the grayscale version is **28.5688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5525, 0.2882, 0.4251**, and **17.1803, 0.2708, 0.4949** is the 20% darker color. If you saturate the color by 10%, you get **37.3941, 0.2792, 0.4762**, and if you desaturate by 10%, it is **39.4608, 0.2843, 0.4275**.

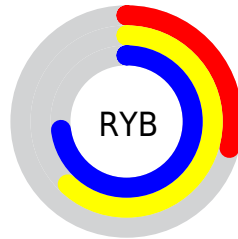
Distribution



Red (29%)

Green (73%)

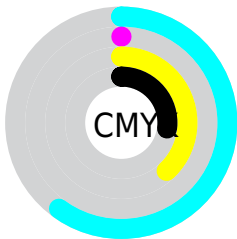
Blue (45%)



Red (29%)

Yellow (62%)

Blue (73%)

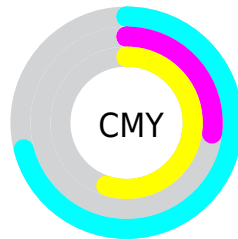


Cyan (60%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (71%)

Magenta (27%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2975, 0.2810, 0.4517 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 38.2975, 0.2810, 0.4517 by changing the saturation by 10% instead.


 38.2975, 0.2810,
0.4517


 38.2975, 0.2810,
0.4517


338.8944, 0.2996,
0.3841

 26.2137, 0.2753,
0.4708


 72.5639, 0.2885,
0.4255


 16.9836, 0.2672,
0.4966

 95.5153, 0.2911,
0.4162

 10.2228, 0.2550,
0.5333


 122.8579, 0.2932,
0.4085

 5.5469, 0.2353,
0.5888

 154.9763, 0.2950,
0.4020

 2.5716, 0.2056,
0.7038

 192.2547, 0.2964,
0.3965

 0.9124, 0.0000,
1.0000

235.0776, 0.2977,

 0.0000, 0.0000,

0.3918

0.0000

283.8294, 0.2987,
0.3877

■ 38.2975, 0.2810,
0.4517

■ 38.2975, 0.2810,
0.4517

■ 37.3941, 0.2792,
0.4762

■ 39.4608, 0.2843,
0.4275

■ 36.7246, 0.2792,
0.5001

■ 40.8981, 0.2888,
0.4042

■ 36.2654, 0.2809,
0.5224

■ 42.6281, 0.2942,
0.3826

■ 35.9681, 0.2840,
0.5423

■ 44.6665, 0.3001,
0.3627

■ 35.9653, 0.2840,
0.5425

■ 47.0277, 0.3064,
0.3448

■ 49.7253, 0.3128,
0.3288

■ 52.7720, 0.3191,
0.3148

■ 56.1800, 0.3253,
0.3024

■ 59.9608, 0.3312,
0.2916

Harmonies

Analogous

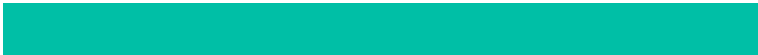
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2975, 0.3584, 0.4801



38.2975, 0.2810, 0.4517



38.2975, 0.2164, 0.3720

Triad

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



38.2975, 0.2810, 0.4517



38.2975, 0.1993, 0.2083



38.2975, 0.4657, 0.3400

Complementary

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



38.2975, 0.2810, 0.4517



17.6719, 0.3761, 0.2357

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.



38.2975, 0.4116, 0.2841



38.2975, 0.2810, 0.4517



38.2975, 0.2520, 0.2121

Square

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



38.2975, 0.2810, 0.4517



38.2975, 0.1752, 0.2318



38.2975, 0.3293, 0.2390



38.2975, 0.4696, 0.3993

Rectangle

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



38.2975, 0.2810, 0.4517



38.2975, 0.1888, 0.3134



38.2975, 0.3293, 0.2390



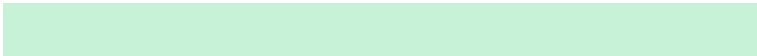
38.2975, 0.4527, 0.3206

Sweetspot

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



38.2991, 0.2810, 0.4517



80.6332, 0.3011, 0.3597



42.3274, 0.3600, 0.4881



17.5025, 0.2993, 0.3652



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.2991, 0.2810, 0.4517



66.5338, 0.2790, 0.4842



39.9477, 0.2489, 0.3558



10.7058, 0.3067, 0.3439



24.7923, 0.2834, 0.5403



0.9838, 0.2693, 0.4896

Inverse Universe

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



17.6719, 0.3761, 0.2357



26.2647, 0.3968, 0.2225



16.3661, 0.4685, 0.3075



9.6354, 0.3192, 0.3146



8.2033, 0.4386, 0.2190



0.3335, 0.4035, 0.1997

Previews

White Background



This preview shows how the Yxy color 38.2975, 0.2810, 0.4517 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 38.2975, 0.2810, 0.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

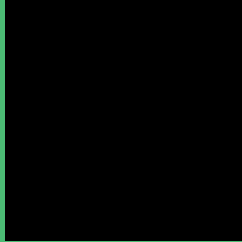
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2975, 0.2810, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 38.2975, 0.2810, 0.4517.



This preview shows how white text looks on a background with the Yxy color 38.2975, 0.2810, 0.4517.

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

38.2975, 0.2810, 0.4517

Protanopia

37.6751, 0.3799, 0.4097

Deuteranopia

37.4859, 0.3840, 0.3758



Tritanopia

38.1879, 0.2445, 0.3075

Trichromacy



Original Color

38.2975, 0.2810, 0.4517



Protanomaly

36.7637, 0.3362, 0.4275



Deuteranomaly

36.3113, 0.3378, 0.4042



Tritanomaly

37.8519, 0.2575, 0.3565

Monochromacy



Original Color

38.2975, 0.2810, 0.4517



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.8559, 0.2977, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2975, 0.2810, 0.4517 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(75, 187, 116)` looks like.

```
.text, #text, p{  
  color:rgb(75, 187, 116)  
}
```

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(75, 187, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 187, 116) }
```

Border

The CSS property to change the border of an element to Yxy 38.2975, 0.2810, 0.4517 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(75, 187, 116) }
```

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

```
.border{ border-color:rgb(75, 187, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 187, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 187, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 187, 116);  
box-shadow:4px 4px 4px 4px rgb(75, 187,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2975, 0.2810, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 187, 116) }
```

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

```
.background{ background-color: rgb(75, 187,  
116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor