

Converting Colors

$Yxy(42.5738, 0.2558, 0.4008)$

Have a look what the booklet for
Yxy(42.5738, 0.2558, 0.4008)
contains.

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Color

Yxy(42.6767, 0.2558, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	3BC498
RGB	59, 196, 152
RGB Percent	23%, 77%, 60%
CMY	0.7680, 0.2314, 0.4039
CMYK	0.70, 0.00, 0.22, 0.23
HSL	161°, 54%, 50%
HSV	161°, 70%, 77%
XYZ	27.2169, 42.6767, 36.5055
YIQ	150.0210, -67.5280, -42.7280

Conversions

Conversions Part 2

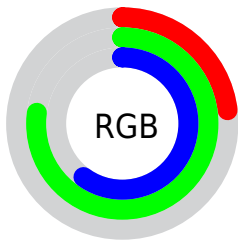
Format	Color
RYB	59, 141, 196
Decimal	3916952
CIELab	71.33, -46.88, 11.64
CIELCh	71, 48.305, 166.060
Yxy	42.6767, 0.2558, 0.4011
Android (android.graphics.Color)	4282107032 (0xFF3BC498)
YUV	150.0210, 0.9756, -79.8254
Hunter-Lab	65.3274, -39.9557, 12.5974

Details

The Yxy color **42.6767, 0.2558, 0.4011** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.8604, 0.4686, 0.2774**, and the grayscale version is **30.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9177, 0.2667, 0.3866**, and **19.9893, 0.2505, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **41.9851, 0.2536, 0.4134**, and if you desaturate by 10%, it is **43.6075, 0.2599, 0.3890**.

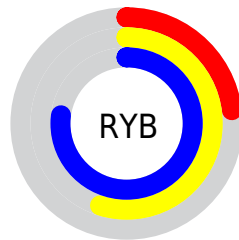
Distribution



Red (23%)

Green (77%)

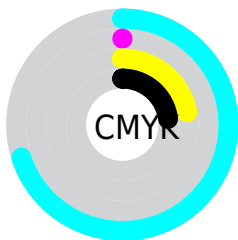
Blue (60%)



Red (23%)

Yellow (55%)

Blue (77%)

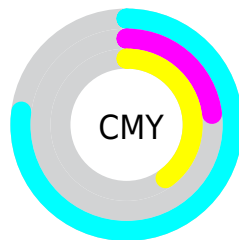


Cyan (70%)

Magenta (0%)

Yellow (22%)

Black (23%)



Cyan (77%)


Magenta (23%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6767, 0.2558, 0.4011 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 42.6767, 0.2558, 0.4011 by changing the saturation by 10% instead.


 42.6767, 0.2558,
0.4011

 42.6767, 0.2558,
0.4011


357.2805, 0.2853,
0.3629

 29.6315, 0.2481,
0.4113


 79.2228, 0.2668,
0.3867

 19.5591, 0.2381,
0.4249

 103.4924, 0.2708,
0.3815


 12.0749, 0.2244,
0.4438


 132.2724, 0.2742,
0.3771

 6.7947, 0.2048,
0.4716

 165.9471, 0.2771,
0.3734

 3.3341, 0.1746,
0.5163

 204.9008, 0.2796,
0.3702

 1.3085, 0.0253,
0.6853

249.5181, 0.2817,

 0.1478, 0.0000,

0.3675

1.0000

300.1831, 0.2836,
0.3651

0.0000, 0.0000,
0.0000

42.6767, 0.2558,
0.4011

42.6767, 0.2558,
0.4011

41.9851, 0.2536,
0.4134

43.6075, 0.2599,
0.3890

41.5010, 0.2535,
0.4257

44.7952, 0.2658,
0.3772

41.1754, 0.2550,
0.4377

46.2615, 0.2733,
0.3660

41.1700, 0.2550,
0.4380

48.0242, 0.2820,
0.3555

50.0998, 0.2918,
0.3458

■ 52.5036, 0.3021,
0.3369

■ 55.2496, 0.3129,
0.3289

■ 58.3512, 0.3239,
0.3217

■ 61.8210, 0.3348,
0.3153

Harmonies

Analogous

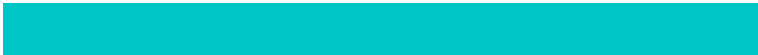
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6767, 0.3198, 0.4500



42.6767, 0.2558, 0.4011



42.6767, 0.2103, 0.3283

Triad

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



42.6767, 0.2558, 0.4011



42.6767, 0.2349, 0.2225



42.6767, 0.4509, 0.3673

Complementary

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



42.6767, 0.2558, 0.4011



15.8604, 0.4686, 0.2774

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.



42.6767, 0.4248, 0.3153



42.6767, 0.2558, 0.4011



42.6767, 0.2930, 0.2365

Square

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



42.6767, 0.2558, 0.4011



42.6767, 0.2002, 0.2315



42.6767, 0.3640, 0.2693



42.6767, 0.4345, 0.4172

Rectangle

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



42.6767, 0.2558, 0.4011



42.6767, 0.1948, 0.2846



42.6767, 0.3640, 0.2693



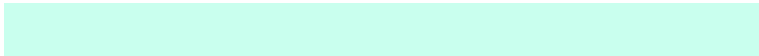
42.6767, 0.4470, 0.3498

Sweetspot

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



42.6784, 0.2558, 0.4011



90.1602, 0.2902, 0.3472



42.7835, 0.3285, 0.5338



19.0650, 0.2875, 0.3499



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6784, 0.2558, 0.4011



75.5380, 0.2533, 0.4202



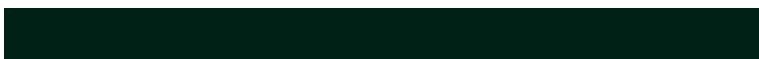
34.8783, 0.2245, 0.2927



11.3716, 0.3026, 0.3365



26.4716, 0.2545, 0.4363



1.1559, 0.2470, 0.4093

Inverse Universe

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



15.8604, 0.4686, 0.2774



23.9507, 0.5231, 0.2795



18.0802, 0.5220, 0.3552



10.1301, 0.3240, 0.3216



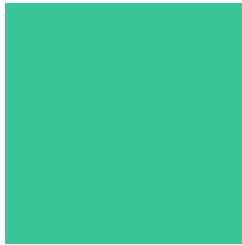
7.7856, 0.5658, 0.2891



0.3492, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 42.6767, 0.2558, 0.4011 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 42.6767, 0.2558, 0.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

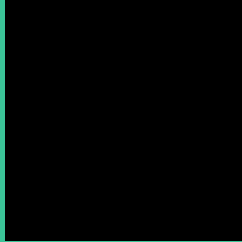
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

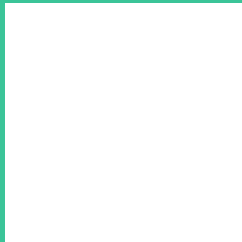
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6767, 0.2558, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 42.6767, 0.2558, 0.4011.

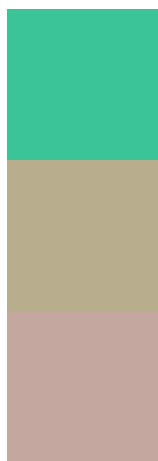


This preview shows how white text looks on a background with the Yxy color 42.6767, 0.2558, 0.4011.

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

42.6767, 0.2558, 0.4011

Protanopia

42.0006, 0.3505, 0.3725

Deuteranopia

41.8418, 0.3483, 0.3408



Tritanopia

42.5487, 0.2348, 0.3067

Trichromacy



Original Color

42.6767, 0.2558, 0.4011



Protanomaly

40.5810, 0.3052, 0.3836



Deuteranomaly

40.3521, 0.3027, 0.3616



Tritanomaly

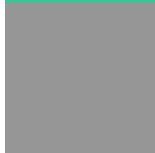
42.6579, 0.2422, 0.3396

Monochromacy



Original Color

42.6767, 0.2558, 0.4011



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.6537, 0.2822, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6767, 0.2558, 0.4011 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(59, 196, 152)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 152)  
}
```

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(59, 196, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 152) }
```

Border

The CSS property to change the border of an element to Yxy 42.6767, 0.2558, 0.4011 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(59, 196, 152) }
```

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

```
.border{ border-color:rgb(59, 196, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 152);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6767, 0.2558, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 152) }
```

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

```
.background{ background-color: rgb(59, 196,  
152) }
```

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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