

Converting Colors

$Y_{xy}(48.3200, 0.2661, 0.4430)$

Have a look what the booklet for
Yxy(48.3200, 0.2661, 0.4430)
contains.

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Color

Yxy(48.2767, 0.2659, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	38D18A
RGB	56, 209, 138
RGB Percent	22%, 82%, 54%
CMY	0.7806, 0.1804, 0.4588
CMYK	0.73, 0.00, 0.34, 0.18
HSL	152°, 62%, 52%
HSV	152°, 73%, 82%
XYZ	29.0162, 48.2767, 31.8316
YIQ	155.1590, -68.3970, -54.5170

Conversions

Conversions Part 2

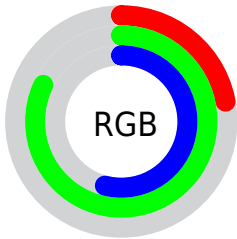
Format	Color
RYB	56, 156, 209
Decimal	3723658
CIELab	75.00, -55.57, 24.16
CIELCh	75, 60.591, 156.504
Yxy	48.2767, 0.2659, 0.4424
Android (android.graphics.Color)	4281913738 (0xFF38D18A)
YUV	155.1590, -8.4594, -86.9624
Hunter-Lab	69.4814, -47.0489, 21.4744

Details

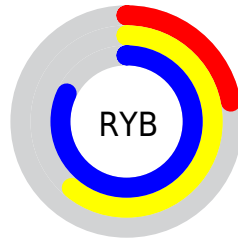
The Yxy color **48.2767, 0.2659, 0.4424** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.9111, 0.4423, 0.2512**, and the grayscale version is **32.9077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5367, 0.2735, 0.4071**, and **23.4706, 0.2652, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **47.5291, 0.2656, 0.4606**, and if you desaturate by 10%, it is **49.3044, 0.2682, 0.4242**.

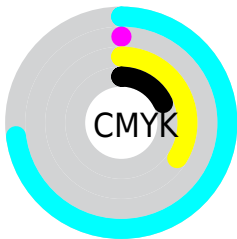
Distribution



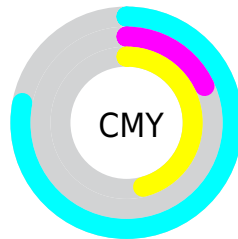
- Red (22%)
- Green (82%)
- Blue (54%)



- Red (22%)
- Yellow (61%)
- Blue (82%)



- Cyan (73%)
- Magenta (0%)
- Yellow (34%)
- Black (18%)




- Cyan (78%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2767, 0.2659, 0.4424 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 48.2767, 0.2659, 0.4424 by changing the saturation by 10% instead.


 48.2767, 0.2659,
0.4424


 48.2767, 0.2659,
0.4424


379.8879, 0.2910,
0.3822


 34.0461, 0.2591,
0.4585


 87.6162, 0.2754,
0.4197

 22.9290, 0.2500,
0.4798


 113.4939, 0.2789,
0.4114


 14.5411, 0.2374,
0.5092


 144.0228, 0.2818,
0.4045

 8.4979, 0.2188,
0.5519

 179.5871, 0.2842,
0.3987

 4.4152, 0.1894,
0.6185

 220.5714, 0.2863,
0.3937

 1.9084, 0.0986,
0.8485

267.3601, 0.2881,

 0.5534, 0.0000,

0.3893

1.0000

320.3374, 0.2897,
0.3855

■ 0.0000, 0.0000,
0.0000

■ 48.2767, 0.2659,
0.4424

■ 48.2767, 0.2659,
0.4424

■ 47.5291, 0.2656,
0.4606

■ 49.3044, 0.2682,
0.4242

■ 47.0214, 0.2674,
0.4782


■ 50.6350, 0.2723,
0.4063

■ 46.7752, 0.2694,
0.4897

■ 52.2950, 0.2779,
0.3892


■ 54.3068, 0.2848,
0.3731

■ 56.6905, 0.2927,
0.3583

 59.4646, 0.3011,
0.3448

 62.6467, 0.3098,
0.3326

 66.2528, 0.3187,
0.3218

 70.2984, 0.3276,
0.3122

Harmonies

Analogous

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



48.2767, 0.3441, 0.4834



48.2767, 0.2659, 0.4424



48.2767, 0.2048, 0.3553

Triad

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



48.2767, 0.2659, 0.4424



48.2767, 0.2049, 0.2047



48.2767, 0.4741, 0.3511

Complementary

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



48.2767, 0.2659, 0.4424



17.9111, 0.4423, 0.2512

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.



48.2767, 0.4277, 0.2932



48.2767, 0.2659, 0.4424



48.2767, 0.2640, 0.2133

Square

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



48.2767, 0.2659, 0.4424



48.2767, 0.1750, 0.2228



48.2767, 0.3460, 0.2446



48.2767, 0.4679, 0.4115

Rectangle

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



48.2767, 0.2659, 0.4424



48.2767, 0.1809, 0.2974



48.2767, 0.3460, 0.2446



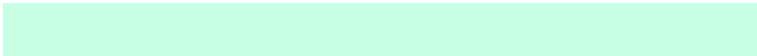
48.2767, 0.4643, 0.3312

Sweetspot

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



48.2786, 0.2659, 0.4424



89.3040, 0.2935, 0.3569



50.4305, 0.3420, 0.5335



18.8790, 0.2912, 0.3608



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.



48.2786, 0.2659, 0.4424



74.0359, 0.2664, 0.4708



48.5838, 0.2296, 0.3214



13.3107, 0.3044, 0.3400



28.8581, 0.2687, 0.4873



1.6295, 0.2599, 0.4555

Inverse Universe

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



17.9111, 0.4423, 0.2512



23.9603, 0.4847, 0.2521



17.1844, 0.5579, 0.3343



11.8982, 0.3219, 0.3183



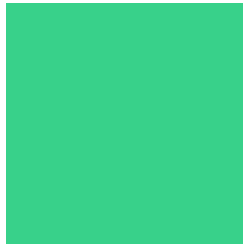
8.9090, 0.5096, 0.2581



0.5141, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 48.2767, 0.2659, 0.4424 looks on a white background.

Color Contrast Check

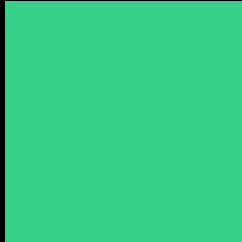
Large Text (above 18pt) WCAG AA × Fail

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 48.2767, 0.2659, 0.4424 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 48.2767, 0.2659, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 48.2767, 0.2659, 0.4424.

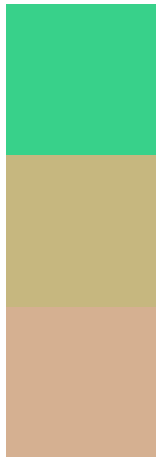


This preview shows how white text looks on a background with the Yxy color 48.2767, 0.2659, 0.4424.

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

48.2767, 0.2659, 0.4424

Protanopia

47.4050, 0.3722, 0.4005

Deuteranopia

47.2411, 0.3736, 0.3671



Tritanopia

47.9286, 0.2351, 0.3050

Trichromacy



Original Color

48.2767, 0.2659, 0.4424



Protanomaly

45.4490, 0.3203, 0.4183



Deuteranomaly

44.9874, 0.3211, 0.3949



Tritanomaly

47.9205, 0.2454, 0.3511

Monochromacy



Original Color

48.2767, 0.2659, 0.4424



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.7518, 0.2861, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2767, 0.2659, 0.4424 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(56, 209, 138)` looks like.

```
.text, #text, p{  
    color:rgb(56, 209, 138)  
}
```

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(56, 209, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 209, 138) }
```

Border

The CSS property to change the border of an element to Yxy 48.2767, 0.2659, 0.4424 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(56, 209, 138) }
```

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

```
.border{ border-color:rgb(56, 209, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 209, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 209, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 209, 138);  
box-shadow:4px 4px 4px 4px rgb(56, 209,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2767, 0.2659, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 209, 138) }
```

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

```
.background{ background-color: rgb(56, 209,  
138) }
```

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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