

Converting Colors

$Y_{xy}(49.0504, 0.2619, 0.4182)$

Have a look what the booklet for
Yxy(49.0504, 0.2619, 0.4182)
contains.

Yxy(49.0262, 0.2619, 0.4180)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.0262, 0.2619, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	42D198
RGB	66, 209, 152
RGB Percent	26%, 82%, 60%
CMY	0.7409, 0.1804, 0.4040
CMYK	0.68, 0.00, 0.27, 0.18
HSL	156°, 61%, 54%
HSV	156°, 68%, 82%
XYZ	30.7176, 49.0262, 37.5437
YIQ	159.7450, -66.9310, -48.0430

Conversions

Conversions Part 2

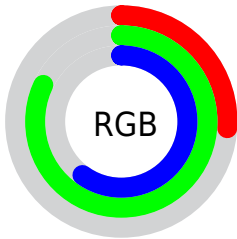
Format	Color
RYB	66, 155, 209
Decimal	4379032
CIELab	75.47, -51.13, 17.46
CIELCh	75, 54.029, 161.149
Yxy	49.0262, 0.2619, 0.4180
Android (android.graphics.Color)	4282569112 (0xFF42D198)
YUV	159.7450, -3.8183, -82.2144
Hunter-Lab	70.0187, -44.2238, 17.2220

Details

The Yxy color **49.0262, 0.2619, 0.4180** 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 **18.8933, 0.4454, 0.2644**, and the grayscale version is **35.0816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7221, 0.2699, 0.3884**, and **23.7221, 0.2562, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **48.1655, 0.2601, 0.4336**, and if you desaturate by 10%, it is **50.1752, 0.2656, 0.4026**.

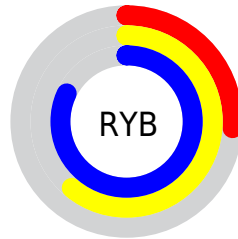
Distribution



Red (26%)

Green (82%)

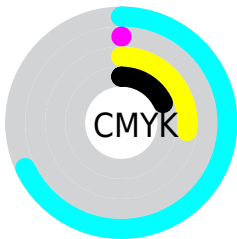
Blue (60%)



Red (26%)

Yellow (61%)

Blue (82%)

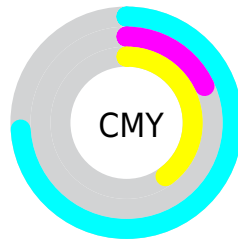


Cyan (68%)

Magenta (0%)

Yellow (27%)

Black (18%)



Cyan (74%)

Magenta (18%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0262, 0.2619, 0.4180 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 49.0262, 0.2619, 0.4180 by changing the saturation by 10% instead.


 49.0262, 0.2619,
0.4180


 49.0262, 0.2619,
0.4180

382.8455, 0.2882,
0.3714

 34.6403, 0.2551,
0.4303


 88.7304, 0.2717,
0.4006


 23.3859, 0.2462,
0.4464


 114.8174, 0.2753,
0.3942


 14.8787, 0.2341,
0.4686


 145.5736, 0.2783,
0.3888

 8.7343, 0.2168,
0.5006

 181.3833, 0.2809,
0.3843

 4.5683, 0.1905,
0.5507

 222.6309, 0.2831,
0.3804

 1.9963, 0.1256,
0.6611

269.7009, 0.2850,

 0.6053, 0.0000,

0.3770

1.0000

322.9776, 0.2867,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 49.0262, 0.2619,
0.4180

■ 49.0262, 0.2619,
0.4180

■ 48.1655, 0.2601,
0.4336

■ 50.1752, 0.2656,
0.4026

■ 47.5563, 0.2604,
0.4491

■ 51.6330, 0.2711,
0.3877

■ 47.1540, 0.2625,
0.4641

■ 53.4247, 0.2780,
0.3736

■ 47.0973, 0.2629,
0.4666

■ 55.5712, 0.2861,
0.3605

■ 58.0917, 0.2951,
0.3484

■ 61.0039, 0.3045,
0.3374

■ 64.3245, 0.3143,
0.3275

■ 68.0691, 0.3242,
0.3187

■ 72.2524, 0.3339,
0.3109

Harmonies

Analogous

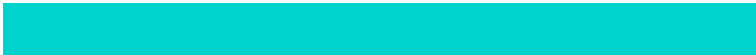
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0262, 0.3313, 0.4628



49.0262, 0.2619, 0.4180



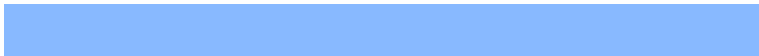
49.0262, 0.2099, 0.3406

Triad

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



49.0262, 0.2619, 0.4180



49.0262, 0.2223, 0.2162



49.0262, 0.4587, 0.3594

Complementary

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



49.0262, 0.2619, 0.4180



18.8933, 0.4454, 0.2644

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.



49.0262, 0.4238, 0.3054



49.0262, 0.2619, 0.4180



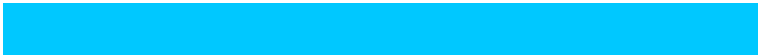
49.0262, 0.2799, 0.2273

Square

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



49.0262, 0.2619, 0.4180



49.0262, 0.1904, 0.2295



49.0262, 0.3548, 0.2589



49.0262, 0.4476, 0.4135

Rectangle

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



49.0262, 0.2619, 0.4180



49.0262, 0.1906, 0.2915



49.0262, 0.3548, 0.2589



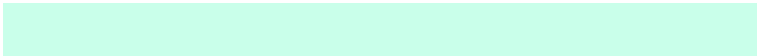
49.0262, 0.4521, 0.3410

Sweetspot

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



49.0282, 0.2619, 0.4180



89.9197, 0.2924, 0.3517



50.2241, 0.3354, 0.5265



19.0076, 0.2899, 0.3551



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.



49.0282, 0.2619, 0.4180



75.0613, 0.2600, 0.4407



44.6636, 0.2289, 0.3079



13.3239, 0.3035, 0.3384



29.0590, 0.2623, 0.4644



1.6402, 0.2546, 0.4367

Inverse Universe

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



18.8933, 0.4454, 0.2644



24.7995, 0.4903, 0.2632



19.7414, 0.5266, 0.3445



11.8853, 0.3229, 0.3198



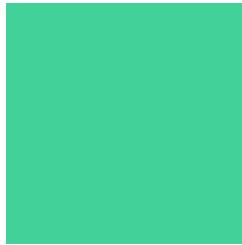
8.7647, 0.5366, 0.2730



0.5056, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 49.0262, 0.2619, 0.4180 looks on a white background.

Color Contrast Check

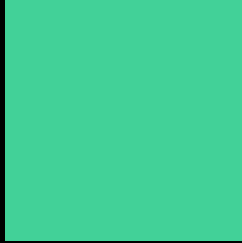
Large Text (above 18pt) WCAG AA × Fail

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 49.0262, 0.2619, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

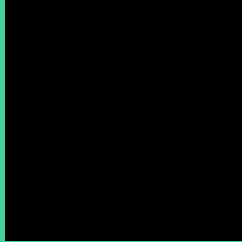
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0262, 0.2619, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 49.0262, 0.2619, 0.4180.



This preview shows how white text looks on a background with the Yxy color 49.0262, 0.2619, 0.4180.

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

49.0262, 0.2619, 0.4180

Protanopia

48.0447, 0.3602, 0.3854

Deuteranopia

47.7964, 0.3589, 0.3512



Tritanopia

49.0584, 0.2364, 0.3066

Trichromacy



Original Color

49.0262, 0.2619, 0.4180



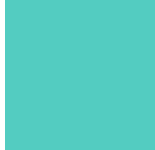
Protanomaly

46.5431, 0.3133, 0.3996



Deuteranomaly

46.0646, 0.3122, 0.3755



Tritanomaly

48.8750, 0.2455, 0.3449

Monochromacy



Original Color

49.0262, 0.2619, 0.4180



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.7107, 0.2859, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0262, 0.2619, 0.4180 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(66, 209, 152)` looks like.

```
.text, #text, p{  
    color:rgb(66, 209, 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(66, 209, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 209, 152) }
```

Border

The CSS property to change the border of an element to Yxy 49.0262, 0.2619, 0.4180 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(66, 209, 152) }
```

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

```
.border{ border-color:rgb(66, 209, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 209, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 209, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 209, 152);  
box-shadow:4px 4px 4px 4px rgb(66, 209,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0262, 0.2619, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 209, 152) }
```

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

```
.background{ background-color: rgb(66, 209,  
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](#).

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