

Converting Colors

$Yxy(49.8430, 0.2711, 0.4295)$

Have a look what the booklet for
Yxy(49.8430, 0.2711, 0.4295)
contains.

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Color

Yxy(49.8430, 0.2711, 0.4295)

Conversions

Conversions Part 1

Format	Color
Hex	50D291
RGB	80, 210, 145
RGB Percent	31%, 82%, 57%
CMY	0.6865, 0.1764, 0.4314
CMYK	0.62, 0.00, 0.31, 0.18
HSL	150°, 59%, 57%
HSV	150°, 62%, 82%
XYZ	31.4609, 49.8430, 34.7450
YIQ	163.7200, -56.6150, -47.7750

Conversions

Conversions Part 2

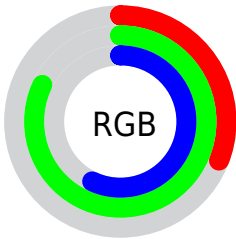
Format	Color
RYB	80, 167, 210
Decimal	5296785
CIELab	75.97, -50.56, 21.90
CIELCh	76, 55.104, 156.578
Yxy	49.8430, 0.2711, 0.4295
Android (android.graphics.Color)	4283486865 (0xFF50D291)
YUV	163.7200, -9.2290, -73.4224
Hunter-Lab	70.5996, -44.0054, 20.2406

Details

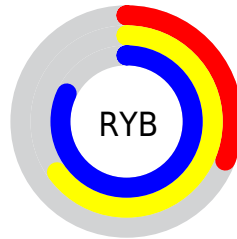
The Yxy color **49.8430, 0.2711, 0.4295** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.4747, 0.4059, 0.2523**, and the grayscale version is **37.0420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3062, 0.2782, 0.3965**, and **23.9194, 0.2611, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **48.7611, 0.2689, 0.4492**, and if you desaturate by 10%, it is **51.2444, 0.2751, 0.4102**.

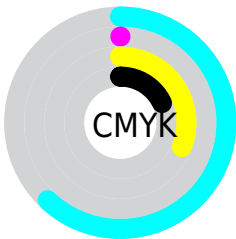
Distribution



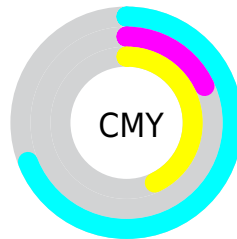
- Red (31%)
- Green (82%)
- Blue (57%)



- Red (31%)
- Yellow (65%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (31%)
- Black (18%)





- Cyan (69%)
- Magenta (18%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8430, 0.2711, 0.4295 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 49.8430, 0.2711, 0.4295 by changing the saturation by 10% instead.


 49.8430, 0.2711,
0.4295

 49.8430, 0.2711,
0.4295


386.0517, 0.2932,
0.3767

 35.2887, 0.2652,
0.4435


 89.9422, 0.2794,
0.4097


 23.8853, 0.2574,
0.4618


 116.2559, 0.2824,
0.4025

 15.2486, 0.2466,
0.4870


 147.2581, 0.2850,
0.3964

 8.9940, 0.2309,
0.5233

 183.3333, 0.2871,
0.3913

 4.7373, 0.2061,
0.5798

224.8659, 0.2890,
0.3869

 2.0940, 0.1521,
0.7136

272.2402, 0.2906,

 0.6612, 0.0000,

0.3830

1.0000

325.8407, 0.2919,
0.3797

0.0000, 0.0000,
0.0000

49.8430, 0.2711,
0.4295

49.8430, 0.2711,
0.4295

48.7611, 0.2689,
0.4492

51.2444, 0.2751,
0.4102

47.9641, 0.2686,
0.4688

52.9841, 0.2806,
0.3918

47.4202, 0.2703,
0.4876

55.0864, 0.2873,
0.3746

47.1187, 0.2728,
0.5021

57.5717, 0.2948,
0.3587

60.4588, 0.3028,
0.3443

■ 63.7652, 0.3111,
0.3313

■ 67.5073, 0.3195,
0.3198

■ 71.7008, 0.3277,
0.3097

■ 73.6182, 0.3255,
0.2998

Harmonies

Analogous

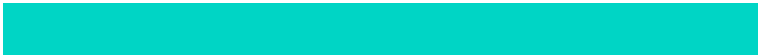
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8430, 0.3425, 0.4670



49.8430, 0.2711, 0.4295



49.8430, 0.2148, 0.3530

Triad

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



49.8430, 0.2711, 0.4295



49.8430, 0.2145, 0.2152



49.8430, 0.4584, 0.3511

Complementary

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



49.8430, 0.2711, 0.4295



21.4747, 0.4059, 0.2523

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.



49.8430, 0.4164, 0.2972



49.8430, 0.2711, 0.4295



49.8430, 0.2691, 0.2230

Square

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



49.8430, 0.2711, 0.4295



49.8430, 0.1864, 0.2326



49.8430, 0.3434, 0.2520



49.8430, 0.4538, 0.4063

Rectangle

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



49.8430, 0.2711, 0.4295



49.8430, 0.1924, 0.3014



49.8430, 0.3434, 0.2520



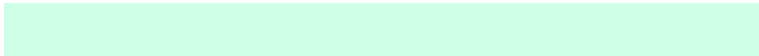
49.8430, 0.4493, 0.3326

Sweetspot

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



49.8450, 0.2711, 0.4295



90.4778, 0.2969, 0.3546



52.6939, 0.3454, 0.5033



19.1033, 0.2946, 0.3589



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.



49.8450, 0.2711, 0.4295



75.2503, 0.2686, 0.4549



52.4547, 0.2381, 0.3288



13.3035, 0.3049, 0.3409



28.7589, 0.2721, 0.4995



1.6240, 0.2627, 0.4659

Inverse Universe

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



21.4747, 0.4059, 0.2523



27.7518, 0.4365, 0.2442



20.0098, 0.5088, 0.3296



11.9054, 0.3213, 0.3174



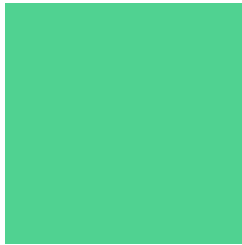
9.0000, 0.4945, 0.2498



0.5192, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 49.8430, 0.2711, 0.4295 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 49.8430, 0.2711, 0.4295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

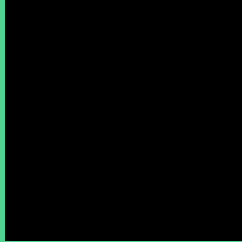
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8430, 0.2711, 0.4295

Background



This preview shows how black text looks on a background with the Yxy color 49.8430, 0.2711, 0.4295.



This preview shows how white text looks on a background with the Yxy color 49.8430, 0.2711, 0.4295.

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

49.8430, 0.2711, 0.4295

Protanopia

49.1184, 0.3671, 0.3948

Deuteranopia

48.9543, 0.3682, 0.3618



Tritanopia

49.7261, 0.2414, 0.3069

Trichromacy



Original Color

49.8430, 0.2711, 0.4295



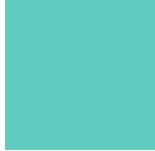
Protanomaly

47.9331, 0.3230, 0.4095



Deuteranomaly

47.1038, 0.3240, 0.3858



Tritanomaly

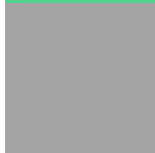
49.3802, 0.2515, 0.3477

Monochromacy



Original Color

49.8430, 0.2711, 0.4295



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.4686, 0.2915, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8430, 0.2711, 0.4295 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(80, 210, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 210, 145)  
}
```

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(80, 210, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 210, 145) }
```

Border

The CSS property to change the border of an element to Yxy 49.8430, 0.2711, 0.4295 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(80, 210, 145) }
```

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

```
.border{ border-color:rgb(80, 210, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 210, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 210, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 210, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 210,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8430, 0.2711, 0.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 210, 145) }
```

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

```
.background{ background-color: rgb(80, 210,  
145) }
```

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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