

Converting Colors

$Yxy(48.9744, 0.2638, 0.4147)$

Have a look what the booklet for
Yxy(48.9744, 0.2638, 0.4147)
contains.

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Color

Yxy(48.8281, 0.2636, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	49D099
RGB	73, 208, 153
RGB Percent	29%, 82%, 60%
CMY	0.7137, 0.1843, 0.4000
CMYK	0.65, 0.00, 0.26, 0.18
HSL	156°, 59%, 55%
HSV	156°, 65%, 82%
XYZ	31.0521, 48.8281, 37.9198
YIQ	161.3650, -62.8050, -45.7250

Conversions

Conversions Part 2

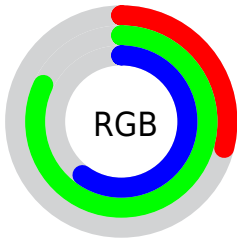
Format	Color
RYB	73, 158, 208
Decimal	4837529
CIELab	75.34, -49.36, 16.78
CIELCh	75, 52.132, 161.226
Yxy	48.8281, 0.2636, 0.4145
Android (android.graphics.Color)	4283027609 (0xFF49D099)
YUV	161.3650, -4.1239, -77.4961
Hunter-Lab	69.8771, -42.9629, 16.7394

Details

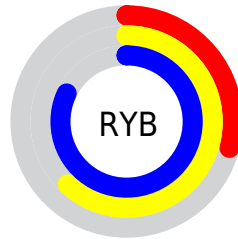
The Yxy color **48.8281, 0.2636, 0.4145** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.7341, 0.4331, 0.2647**, and the grayscale version is **35.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1759, 0.2716, 0.3868**, and **23.7418, 0.2556, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **47.8788, 0.2612, 0.4304**, and if you desaturate by 10%, it is **50.0728, 0.2679, 0.3989**.

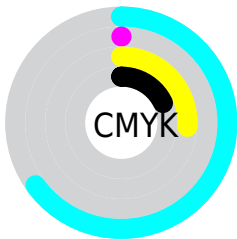
Distribution



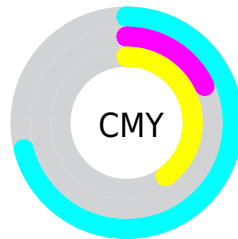
- Red (29%)
- Green (82%)
- Blue (60%)



- Red (29%)
- Yellow (62%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)




- Cyan (71%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8281, 0.2636, 0.4145 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 48.8281, 0.2636, 0.4145 by changing the saturation by 10% instead.


 48.8281, 0.2636,
0.4145


 48.8281, 0.2636,
0.4145


382.0652, 0.2890,
0.3698


 34.4831, 0.2570,
0.4263


 88.4361, 0.2730,
0.3978


 23.2650, 0.2484,
0.4418


 114.4679, 0.2765,
0.3917

 14.7893, 0.2368,
0.4630


 145.1641, 0.2794,
0.3865

 8.6717, 0.2201,
0.4937

 180.9092, 0.2819,
0.3822

 4.5276, 0.1946,
0.5417

222.0874, 0.2840,
0.3784

 1.9729, 0.1339,
0.6449

269.0832, 0.2859,

 0.5916, 0.0000,

0.3752

1.0000

322.2810, 0.2875,
0.3723

0.0000, 0.0000,
0.0000

48.8281, 0.2636,
0.4145

48.8281, 0.2636,
0.4145

47.8788, 0.2612,
0.4304

50.0728, 0.2679,
0.3989

47.1903, 0.2609,
0.4463

51.6318, 0.2738,
0.3839


46.7295, 0.2625,
0.4619


53.5293, 0.2811,
0.3698

46.5503, 0.2638,
0.4696

55.7852, 0.2894,
0.3567

58.4181, 0.2985,
0.3447

 61.4450, 0.3080,
0.3339

 64.8820, 0.3177,
0.3242

 68.7444, 0.3274,
0.3156

 72.0466, 0.3330,
0.3077

Harmonies

Analogous

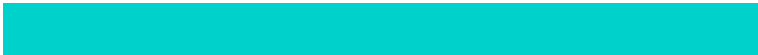
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8281, 0.3309, 0.4579



48.8281, 0.2636, 0.4145



48.8281, 0.2130, 0.3402

Triad

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



48.8281, 0.2636, 0.4145



48.8281, 0.2251, 0.2194



48.8281, 0.4539, 0.3592

Complementary

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



48.8281, 0.2636, 0.4145



19.7341, 0.4331, 0.2647

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.



48.8281, 0.4202, 0.3065



48.8281, 0.2636, 0.4145



48.8281, 0.2813, 0.2303

Square

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



48.8281, 0.2636, 0.4145



48.8281, 0.1939, 0.2325



48.8281, 0.3537, 0.2611



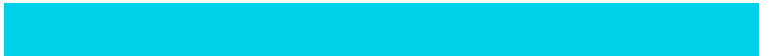
48.8281, 0.4434, 0.4116

Rectangle

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



48.8281, 0.2636, 0.4145



48.8281, 0.1941, 0.2929



48.8281, 0.3537, 0.2611



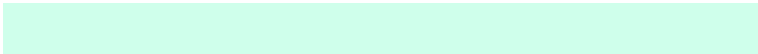
48.8281, 0.4475, 0.3413

Sweetspot

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



48.8300, 0.2636, 0.4145



90.7337, 0.2945, 0.3498



50.2819, 0.3372, 0.5162



19.1651, 0.2919, 0.3533



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.



48.8300, 0.2636, 0.4145



75.4176, 0.2608, 0.4368



45.7916, 0.2323, 0.3124



13.3221, 0.3037, 0.3386



29.0308, 0.2632, 0.4675



1.6388, 0.2553, 0.4392

Inverse Universe

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



19.7341, 0.4331, 0.2647



25.9085, 0.4750, 0.2608



20.2707, 0.5128, 0.3419



11.8870, 0.3228, 0.3196



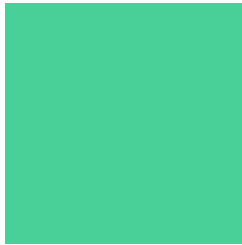
8.7823, 0.5331, 0.2710



0.5066, 0.4851, 0.2446

Previews

White Background



This preview shows how the Yxy color 48.8281, 0.2636, 0.4145 looks on a white background.

Color Contrast Check

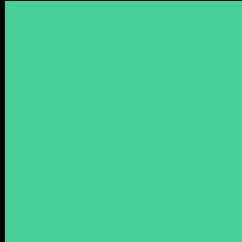
Large Text (above 18pt) WCAG AA × Fail

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 48.8281, 0.2636, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

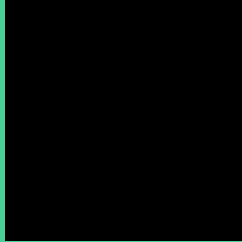
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8281, 0.2636, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 48.8281, 0.2636, 0.4145.

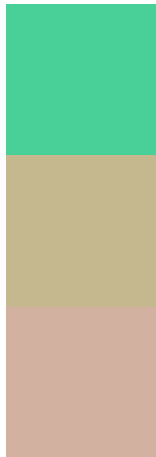


This preview shows how white text looks on a background with the Yxy color 48.8281, 0.2636, 0.4145.

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

48.8281, 0.2636, 0.4145

Protanopia

48.1043, 0.3585, 0.3828

Deuteranopia

47.8312, 0.3580, 0.3500



Tritanopia

48.7532, 0.2382, 0.3066

Trichromacy



Original Color

48.8281, 0.2636, 0.4145



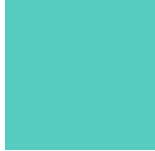
Protanomaly

46.8907, 0.3143, 0.3961



Deuteranomaly

45.9778, 0.3140, 0.3724



Tritanomaly

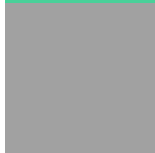
48.6368, 0.2472, 0.3434

Monochromacy



Original Color

48.8281, 0.2636, 0.4145



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.9765, 0.2874, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8281, 0.2636, 0.4145 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(73, 208, 153)` looks like.

```
.text, #text, p{  
    color:rgb(73, 208, 153)  
}
```

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(73, 208, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 208, 153) }
```

Border

The CSS property to change the border of an element to Yxy 48.8281, 0.2636, 0.4145 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(73, 208, 153) }
```

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

```
.border{ border-color:rgb(73, 208, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 208, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 208, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 208, 153);  
box-shadow:4px 4px 4px 4px rgb(73, 208,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8281, 0.2636, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 208, 153) }
```

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

```
.background{ background-color: rgb(73, 208,  
153) }
```

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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