

Converting Colors

$Y_{xy}(50.4510, 0.2567, 0.4220)$

Have a look what the booklet for
Yxy(50.4510, 0.2567, 0.4220)
contains.

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Color

Yxy(50.4692, 0.2569, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	2ED599
RGB	46, 213, 153
RGB Percent	18%, 84%, 60%
CMY	0.8192, 0.1647, 0.4001
CMYK	0.78, 0.00, 0.28, 0.16
HSL	158°, 67%, 51%
HSV	158°, 78%, 84%
XYZ	30.6731, 50.4692, 38.2549
YIQ	156.2270, -80.2720, -54.0640

Conversions

Conversions Part 2

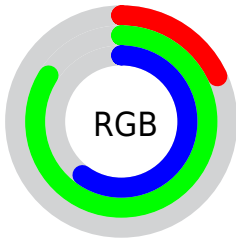
Format	Color
RYB	46, 148, 213
Decimal	3069337
CIELab	76.36, -55.13, 18.11
CIELCh	76, 58.026, 161.815
Yxy	50.4692, 0.2569, 0.4227
Android (android.graphics.Color)	4281259417 (0xFF2ED599)
YUV	156.2270, -1.5909, -96.6691
Hunter-Lab	71.0417, -47.2533, 17.8024

Details

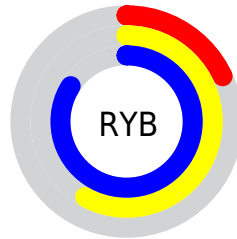
The Yxy color **50.4692, 0.2569, 0.4227** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.1520, 0.4885, 0.2700**, and the grayscale version is **33.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9469, 0.2650, 0.3878**, and **25.0733, 0.2573, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **49.8470, 0.2569, 0.4366**, and if you desaturate by 10%, it is **51.3569, 0.2590, 0.4087**.

Distribution



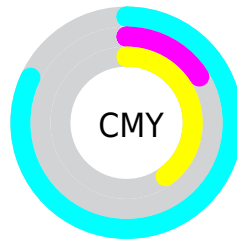
- Red (18%)
- Green (84%)
- Blue (60%)



- Red (18%)
- Yellow (58%)
- Blue (84%)



- Cyan (78%)
- Magenta (0%)
- Yellow (28%)
- Black (16%)





- Cyan (82%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4692, 0.2569, 0.4227 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 50.4692, 0.2569, 0.4227 by changing the saturation by 10% instead.


 50.4692, 0.2569,
0.4227

 50.4692, 0.2569,
0.4227


388.4980, 0.2856,
0.3738

 35.7864, 0.2495,
0.4355


 90.8697, 0.2675,
0.4044


 24.2692, 0.2399,
0.4524


 117.3561, 0.2714,
0.3977

 15.5335, 0.2269,
0.4754


 148.5458, 0.2747,
0.3921

 9.1946, 0.2086,
0.5085

 184.8233, 0.2776,
0.3873

 4.8684, 0.1810,
0.5598

 226.5728, 0.2800,
0.3832

 2.1702, 0.1154,
0.6676

274.1788, 0.2821,

 0.7037, 0.0000,

0.3797

1.0000

328.0258, 0.2840,
0.3765

■ 0.0000, 0.0000,
0.0000

■ 50.4692, 0.2569,
0.4227

■ 50.4692, 0.2569,
0.4227

■ 49.8470, 0.2569,
0.4366

■ 51.3569, 0.2590,
0.4087

■ 49.4363, 0.2587,
0.4502

■ 52.5364, 0.2630,
0.3950

■ 49.3774, 0.2590,
0.4525

■ 54.0372, 0.2688,
0.3817

■ 55.8835, 0.2761,
0.3691

■ 58.0969, 0.2847,
0.3573

■ 60.6977, 0.2941,
0.3464

■ 63.7041, 0.3041,
0.3365

■ 67.1337, 0.3144,
0.3276

■ 71.0025, 0.3249,
0.3197

Harmonies

Analogous

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



50.4692, 0.3299, 0.4716



50.4692, 0.2569, 0.4227



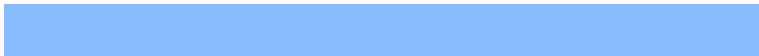
50.4692, 0.2030, 0.3390

Triad

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



50.4692, 0.2569, 0.4227



50.4692, 0.2182, 0.2102



50.4692, 0.4680, 0.3613

Complementary

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



50.4692, 0.2569, 0.4227



17.1520, 0.4885, 0.2700

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.



50.4692, 0.4322, 0.3048



50.4692, 0.2569, 0.4227



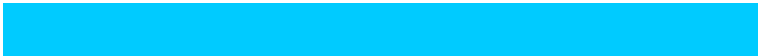
50.4692, 0.2793, 0.2225

Square

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



50.4692, 0.2569, 0.4227



50.4692, 0.1844, 0.2231



50.4692, 0.3590, 0.2560



50.4692, 0.4544, 0.4183

Rectangle

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



50.4692, 0.2569, 0.4227



50.4692, 0.1835, 0.2870



50.4692, 0.3590, 0.2560



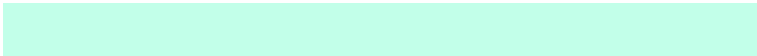
50.4692, 0.4615, 0.3421

Sweetspot

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



50.4712, 0.2569, 0.4227



88.8456, 0.2884, 0.3527



50.9311, 0.3298, 0.5527



18.7279, 0.2851, 0.3567



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.



50.4712, 0.2569, 0.4227



74.4813, 0.2579, 0.4456



42.5392, 0.2207, 0.2959



14.0285, 0.3030, 0.3375



30.1822, 0.2585, 0.4505



1.8360, 0.2519, 0.4269

Inverse Universe

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



17.1520, 0.4885, 0.2700



22.5595, 0.5417, 0.2791



18.5225, 0.5651, 0.3486



12.4939, 0.3235, 0.3206



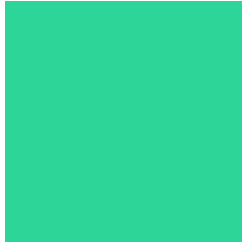
8.9828, 0.5526, 0.2818



0.5574, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 50.4692, 0.2569, 0.4227 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 50.4692, 0.2569, 0.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

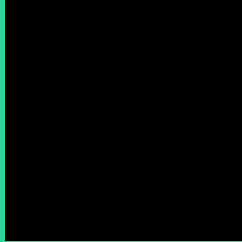
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4692, 0.2569, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 50.4692, 0.2569, 0.4227.

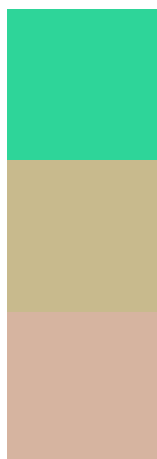


This preview shows how white text looks on a background with the Yxy color 50.4692, 0.2569, 0.4227.

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

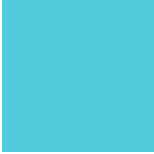
50.4692, 0.2569, 0.4227

Protanopia

49.3203, 0.3614, 0.3859

Deuteranopia

49.4767, 0.3599, 0.3533



Tritanopia

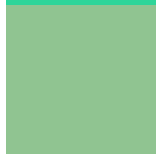
50.2000, 0.2319, 0.3053

Trichromacy



Original Color

50.4692, 0.2569, 0.4227



Protanomaly

47.4535, 0.3085, 0.4027



Deuteranomaly

46.9059, 0.3072, 0.3785



Tritanomaly

49.8764, 0.2401, 0.3449

Monochromacy



Original Color

50.4692, 0.2569, 0.4227



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.5238, 0.2797, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4692, 0.2569, 0.4227 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(46, 213, 153)` looks like.

```
.text, #text, p{  
    color:rgb(46, 213, 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(46, 213, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 213, 153) }
```

Border

The CSS property to change the border of an element to Yxy 50.4692, 0.2569, 0.4227 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(46, 213, 153) }
```

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

```
.border{ border-color:rgb(46, 213, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 213, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 213, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 213, 153);  
box-shadow:4px 4px 4px 4px rgb(46, 213,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4692, 0.2569, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 213, 153) }
```

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

```
.background{ background-color: rgb(46, 213,  
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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