

Converting Colors

Yxy(46.4646, 0.2520, 0.4130)

Have a look what the booklet for
Yxy(46.4646, 0.2520, 0.4130)
contains.

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Color

Yxy(46.3199, 0.2520, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	23CD99
RGB	35, 205, 153
RGB Percent	14%, 80%, 60%
CMY	0.8635, 0.1960, 0.4000
CMYK	0.83, 0.00, 0.25, 0.20
HSL	162°, 71%, 47%
HSV	162°, 83%, 80%
XYZ	28.2698, 46.3199, 37.5921
YIQ	148.2420, -84.6280, -52.2120

Conversions

Conversions Part 2

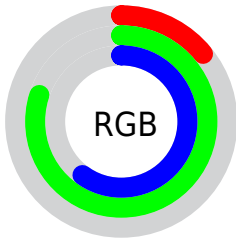
Format	Color
RYB	35, 135, 205
Decimal	2346393
CIELab	73.75, -53.11, 14.44
CIELCh	74, 55.035, 164.789
Yxy	46.3199, 0.2520, 0.4129
Android (android.graphics.Color)	4280536473 (0xFF23CD99)
YUV	148.2420, 2.3457, -99.3132
Hunter-Lab	68.0587, -44.9585, 14.8924

Details

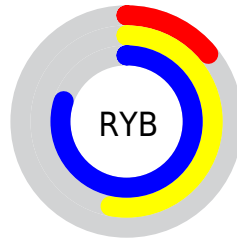
The Yxy color **46.3199, 0.2520, 0.4129** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.8562, 0.5212, 0.2817**, and the grayscale version is **29.7144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4697, 0.2623, 0.3882**, and **22.4542, 0.2537, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **45.8620, 0.2524, 0.4245**, and if you desaturate by 10%, it is **47.0012, 0.2536, 0.4012**.

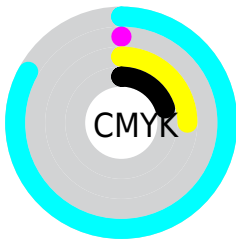
Distribution



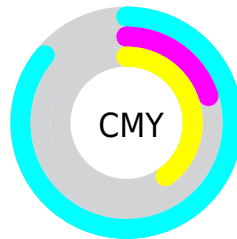
- Red (14%)
- Green (80%)
- Blue (60%)



- Red (14%)
- Yellow (53%)
- Blue (80%)



- Cyan (83%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)





- Cyan (86%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3199, 0.2520, 0.4129 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 46.3199, 0.2520, 0.4129 by changing the saturation by 10% instead.


 46.3199, 0.2520,
0.4129


 46.3199, 0.2520,
0.4129

372.0933, 0.2833,
0.3688


 32.4983, 0.2439,
0.4246


 84.6976, 0.2636,
0.3963


 21.7424, 0.2335,
0.4401


 110.0224, 0.2678,
0.3903


 13.6678, 0.2193,
0.4613


 139.9505, 0.2714,
0.3852

 7.8899, 0.1993,
0.4923

 174.8663, 0.2745,
0.3809

 4.0246, 0.1690,
0.5412

 215.1540, 0.2771,
0.3772

 1.6873, 0.0606,
0.6787

261.1982, 0.2794,


 0.4154, 0.0000,


0.3740


1.0000

313.3831, 0.2815,
0.3712


 0.0000, 0.0000,
0.0000

 46.3199, 0.2520,
0.4129


 46.3199, 0.2520,
0.4129


 45.8620, 0.2524,
0.4245


 47.0012, 0.2536,
0.4012

 45.6319, 0.2535,
0.4325

 47.9324, 0.2572,
0.3897

 49.1420, 0.2627,
0.3784

 50.6532, 0.2698,
0.3676

 52.4866, 0.2784,
0.3573

■ 54.6611, 0.2880,
0.3479

■ 57.1941, 0.2984,
0.3391

■ 60.1016, 0.3094,
0.3312

■ 63.3988, 0.3205,
0.3241

Harmonies

Analogous

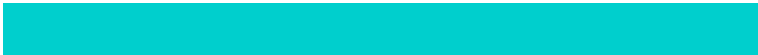
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3199, 0.3224, 0.4657



46.3199, 0.2520, 0.4129



46.3199, 0.2017, 0.3308

Triad

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



46.3199, 0.2520, 0.4129



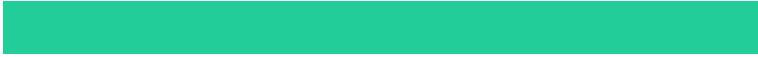
46.3199, 0.2250, 0.2127



46.3199, 0.4652, 0.3667

Complementary

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



46.3199, 0.2520, 0.4129



14.8562, 0.5212, 0.2817

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.



46.3199, 0.4348, 0.3108



46.3199, 0.2520, 0.4129



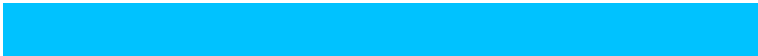
46.3199, 0.2874, 0.2270

Square

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



46.3199, 0.2520, 0.4129



46.3199, 0.1890, 0.2229



46.3199, 0.3659, 0.2617



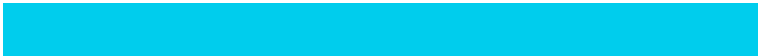
46.3199, 0.4478, 0.4220

Rectangle

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



46.3199, 0.2520, 0.4129



46.3199, 0.1844, 0.2817



46.3199, 0.3659, 0.2617



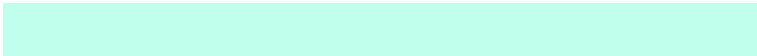
46.3199, 0.4605, 0.3478

Sweetspot

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



46.3217, 0.2520, 0.4129



88.6573, 0.2857, 0.3500



45.8969, 0.3231, 0.5654



18.7011, 0.2823, 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.



46.3217, 0.2520, 0.4129



74.6982, 0.2539, 0.4339



34.9594, 0.2147, 0.2800



12.6664, 0.3023, 0.3362



28.4220, 0.2530, 0.4308



1.4794, 0.2468, 0.4084

Inverse Universe

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



14.8562, 0.5212, 0.2817



21.8087, 0.5792, 0.2964



16.9984, 0.5734, 0.3553



11.2692, 0.3243, 0.3219



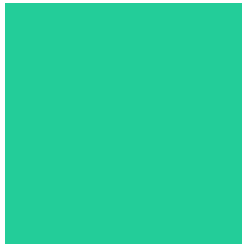
8.3158, 0.5723, 0.2926



0.4426, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 46.3199, 0.2520, 0.4129 looks on a white background.

Color Contrast Check

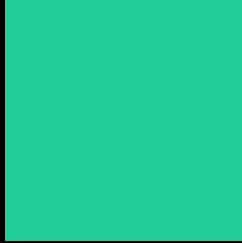
Large Text (above 18pt) WCAG AA × Fail

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 46.3199, 0.2520, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

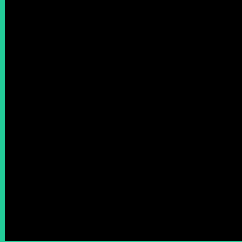
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

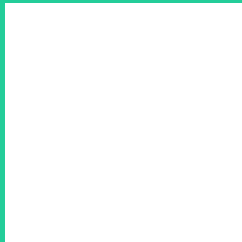
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3199, 0.2520, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 46.3199, 0.2520, 0.4129.



This preview shows how white text looks on a background with the Yxy color 46.3199, 0.2520, 0.4129.

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

46.3199, 0.2520, 0.4129

Protanopia

45.2397, 0.3554, 0.3791

Deuteranopia

45.2626, 0.3526, 0.3455



Tritanopia

46.1531, 0.2301, 0.3058

Trichromacy



Original Color

46.3199, 0.2520, 0.4129



Protanomaly

43.0791, 0.3010, 0.3939



Deuteranomaly

42.8830, 0.2986, 0.3702



Tritanomaly

45.9999, 0.2372, 0.3424

Monochromacy



Original Color

46.3199, 0.2520, 0.4129



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.7037, 0.2756, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3199, 0.2520, 0.4129 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(35, 205, 153)` looks like.

```
.text, #text, p{  
    color:rgb(35, 205, 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(35, 205, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 205, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.3199, 0.2520, 0.4129 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(35, 205, 153) }
```

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

```
.border{ border-color:rgb(35, 205, 153) }
```

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

Here you see how a box with a 4 pixel rgb(35, 205, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 205, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 205, 153);  
box-shadow:4px 4px 4px 4px rgb(35, 205,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3199, 0.2520, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 205, 153) }
```

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

```
.background{ background-color: rgb(35, 205,  
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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