

Converting Colors

$Y_{xy}(45.8909, 0.2516, 0.4171)$

Have a look what the booklet for
Yxy(45.8909, 0.2516, 0.4171)
contains.

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Color

Yxy(46.0713, 0.2519, 0.4185)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 19CD96 |
| RGB | 25, 205, 150 |
| RGB Percent | 10%, 80%, 59% |
| CMY | 0.9033, 0.1960, 0.4118 |
| CMYK | 0.88, 0.00, 0.27, 0.20 |
| HSL | 162°, 79%, 45% |
| HSV | 162°, 88%, 80% |
| XYZ | 27.7308, 46.0713, 36.2846 |
| YIQ | 144.9100, -89.6250, -55.2650 |

Conversions

Conversions Part 2

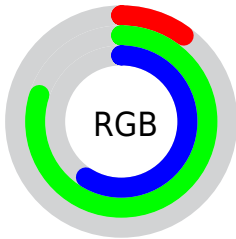
| Format | Color |
|-------------------------------------|---|
| RYB | 25, 131, 205 |
| Decimal | 1691030 |
| CIELab | 73.59, -54.55, 15.81 |
| CIELCh | 74, 56.793, 163.838 |
| Yxy | 46.0713, 0.2519, 0.4185 |
| Android (android.graphics.Color) | 4279881110 (0xFF19CD96) |
| YUV | 144.9100, 2.5094, -105.1611 |
| Hunter-Lab | 67.8758, -45.8561, 15.8183 |

Details

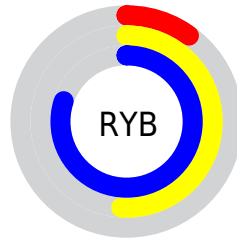
The Yxy color **46.0713, 0.2519, 0.4185** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.2364, 0.5386, 0.2845**, and the grayscale version is **28.2539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0678, 0.2622, 0.3924**, and **22.3957, 0.2557, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **45.7014, 0.2531, 0.4300**, and if you desaturate by 10%, it is **46.6392, 0.2525, 0.4069**.

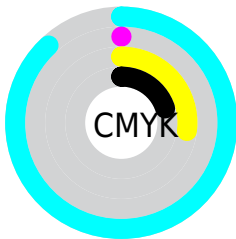
Distribution



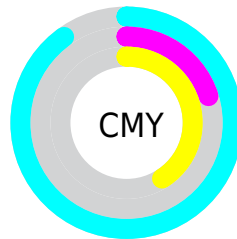
- Red (10%)
- Green (80%)
- Blue (59%)



- Red (10%)
- Yellow (51%)
- Blue (80%)



- Cyan (88%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (90%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0713, 0.2519, 0.4185 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 46.0713, 0.2519, 0.4185 by changing the saturation by 10% instead.


 46.0713, 0.2519,
0.4185

 46.0713, 0.2519,
0.4185

371.0952, 0.2834,
0.3712

 32.3021, 0.2437,
0.4311


 84.3257, 0.2636,
0.4007


 21.5923, 0.2331,
0.4478


 109.5797, 0.2679,
0.3942


 13.5577, 0.2187,
0.4708


 139.4307, 0.2715,
0.3888

 7.8137, 0.1981,
0.5044

 174.2631, 0.2746,
0.3842

 3.9760, 0.1669,
0.5576

 214.4614, 0.2772,
0.3803

 1.6601, 0.0430,
0.7244

260.4099, 0.2796,

 0.3976, 0.0000,

0.3769

1.0000

312.4931, 0.2816,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 46.0713, 0.2519,
0.4185

■ 46.0713, 0.2519,
0.4185

■ 45.7014, 0.2531,
0.4300

■ 46.6392, 0.2525,
0.4069

■ 45.6360, 0.2534,
0.4323

■ 47.4421, 0.2551,
0.3953

■ 48.5108, 0.2597,
0.3838

■ 49.8698, 0.2661,
0.3728

■ 51.5412, 0.2740,
0.3623

■ 53.5444, 0.2831,
0.3524

■ 55.8977, 0.2932,
0.3433

■ 58.6176, 0.3039,
0.3350

■ 61.7199, 0.3150,
0.3275

Harmonies

Analogous

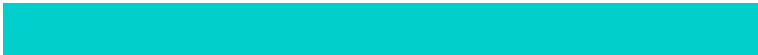
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0713, 0.3247, 0.4716



46.0713, 0.2519, 0.4185



46.0713, 0.1995, 0.3333

Triad

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



46.0713, 0.2519, 0.4185



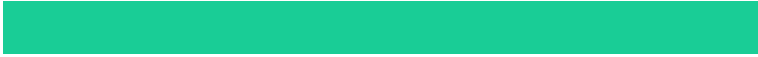
46.0713, 0.2208, 0.2094



46.0713, 0.4699, 0.3654

Complementary

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



46.0713, 0.2519, 0.4185



14.2364, 0.5386, 0.2845

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.



46.0713, 0.4372, 0.3082



46.0713, 0.2519, 0.4185



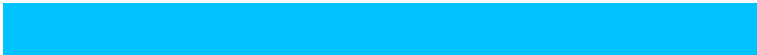
46.0713, 0.2840, 0.2234

Square

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



46.0713, 0.2519, 0.4185



46.0713, 0.1848, 0.2205



46.0713, 0.3649, 0.2583



46.0713, 0.4530, 0.4225

Rectangle

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



46.0713, 0.2519, 0.4185



46.0713, 0.1813, 0.2819



46.0713, 0.3649, 0.2583



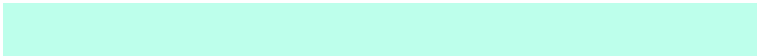
46.0713, 0.4646, 0.3459

Sweetspot

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



46.0731, 0.2519, 0.4185



88.2857, 0.2847, 0.3509



45.5212, 0.3210, 0.5738



18.6297, 0.2813, 0.3542



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.



46.0731, 0.2519, 0.4185



74.7029, 0.2538, 0.4337



34.0965, 0.2123, 0.2767



12.6665, 0.3023, 0.3362



28.4238, 0.2530, 0.4306



1.4795, 0.2467, 0.4083

Inverse Universe

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



14.2364, 0.5386, 0.2845



21.8070, 0.5793, 0.2965



16.0486, 0.5904, 0.3528



11.2691, 0.3243, 0.3220



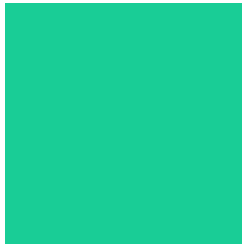
8.3151, 0.5725, 0.2927



0.4426, 0.5159, 0.2615

Previews

White Background



This preview shows how the Yxy color 46.0713, 0.2519, 0.4185 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 46.0713, 0.2519, 0.4185 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

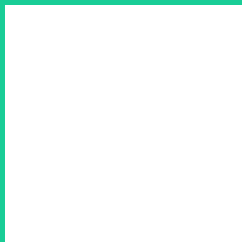
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0713, 0.2519, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 46.0713, 0.2519, 0.4185.

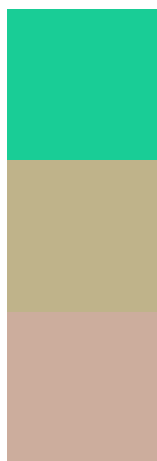


This preview shows how white text looks on a background with the Yxy color 46.0713, 0.2519, 0.4185.

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

46.0713, 0.2519, 0.4185

Protanopia

45.1515, 0.3579, 0.3830

Deuteranopia

45.1588, 0.3553, 0.3493



Tritanopia

46.0387, 0.2292, 0.3058

Trichromacy



Original Color

46.0713, 0.2519, 0.4185



Protanomaly

42.7447, 0.3009, 0.3991



Deuteranomaly

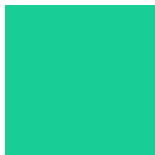
42.5200, 0.2985, 0.3751



Tritanomaly

45.8105, 0.2363, 0.3440

Monochromacy



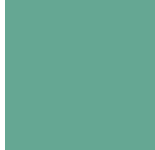
Original Color

46.0713, 0.2519, 0.4185



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.5107, 0.2730, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0713, 0.2519, 0.4185 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(25, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(25, 205, 150)  
}
```

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(25, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 205, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.0713, 0.2519, 0.4185 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(25, 205, 150) }
```

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

```
.border{ border-color:rgb(25, 205, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 205, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(25, 205,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0713, 0.2519, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 205, 150) }
```

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

```
.background{ background-color: rgb(25, 205,  
150) }
```

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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