

Converting Colors

$Yxy(45.8621, 0.2489, 0.4055)$

Have a look what the booklet for
Yxy(45.8621, 0.2489, 0.4055)
contains.

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Color

Yxy(45.8813, 0.2487, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	1DCC9D
RGB	29, 204, 157
RGB Percent	11%, 80%, 62%
CMY	0.8858, 0.2000, 0.3843
CMYK	0.86, 0.00, 0.23, 0.20
HSL	164°, 75%, 46%
HSV	164°, 86%, 80%
XYZ	28.1884, 45.8813, 39.2734
YIQ	146.3170, -89.2130, -51.7170

Conversions

Conversions Part 2

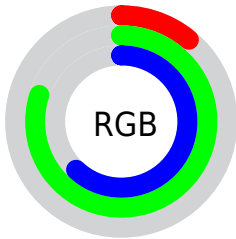
Format	Color
RYB	29, 130, 204
Decimal	1952925
CIELab	73.47, -52.20, 11.89
CIELCh	73, 53.539, 167.170
Yxy	45.8813, 0.2487, 0.4048
Android (android.graphics.Color)	4280143005 (0xFF1DCC9D)
YUV	146.3170, 5.2667, -102.8870
Hunter-Lab	67.7357, -44.2542, 13.0385

Details

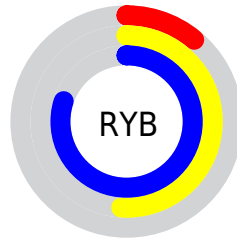
The Yxy color **45.8813, 0.2487, 0.4048** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.2453, 0.5428, 0.2901**, and the grayscale version is **28.9027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5247, 0.2590, 0.3818**, and **22.5355, 0.2511, 0.4239** is the 20% darker color. If you saturate the color by 10%, you get **45.4933, 0.2492, 0.4148**, and if you desaturate by 10%, it is **46.4776, 0.2501, 0.3947**.

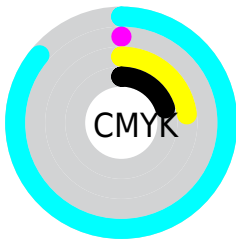
Distribution



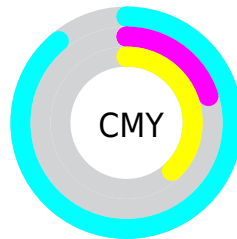
- Red (11%)
- Green (80%)
- Blue (62%)



- Red (11%)
- Yellow (51%)
- Blue (80%)



- Cyan (86%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)





- Cyan (89%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8813, 0.2487, 0.4048 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 45.8813, 0.2487, 0.4048 by changing the saturation by 10% instead.


 45.8813, 0.2487,
0.4048


 45.8813, 0.2487,
0.4048

370.3312, 0.2814,
0.3651


 32.1522, 0.2404,
0.4153


 84.0413, 0.2607,
0.3900

 21.4778, 0.2295,
0.4291


 109.2410, 0.2652,
0.3845


 13.4737, 0.2150,
0.4480


 139.0330, 0.2690,
0.3800

 7.7555, 0.1946,
0.4754

 173.8017, 0.2722,
0.3761

 3.9389, 0.1641,
0.5185

 213.9314, 0.2750,
0.3728

 1.6394, 0.0555,
0.6368

259.8067, 0.2774,

 0.3840, 0.0000,

0.3699

1.0000

311.8118, 0.2795,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 45.8813, 0.2487,
0.4048

■ 45.8813, 0.2487,
0.4048

■ 45.4933, 0.2492,
0.4148

■ 46.4776, 0.2501,
0.3947

■ 45.3613, 0.2498,
0.4191

■ 47.3107, 0.2535,
0.3846

■ 48.4100, 0.2588,
0.3747

■ 49.7989, 0.2658,
0.3652

■ 51.4986, 0.2743,
0.3562

■ 53.5279, 0.2841,
0.3477

■ 55.9044, 0.2948,
0.3399

■ 58.6443, 0.3061,
0.3328

■ 61.7627, 0.3177,
0.3263

Harmonies

Analogous

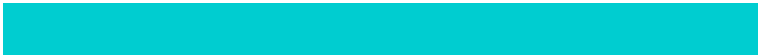
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8813, 0.3167, 0.4599



45.8813, 0.2487, 0.4048



45.8813, 0.2014, 0.3248

Triad

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



45.8813, 0.2487, 0.4048



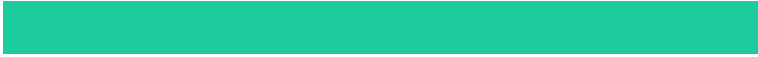
45.8813, 0.2309, 0.2154



45.8813, 0.4619, 0.3708

Complementary

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



45.8813, 0.2487, 0.4048



14.2453, 0.5428, 0.2901

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.



45.8813, 0.4359, 0.3156



45.8813, 0.2487, 0.4048



45.8813, 0.2938, 0.2311

Square

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



45.8813, 0.2487, 0.4048



45.8813, 0.1933, 0.2234



45.8813, 0.3708, 0.2666



45.8813, 0.4418, 0.4244

Rectangle

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



45.8813, 0.2487, 0.4048



45.8813, 0.1859, 0.2781



45.8813, 0.3708, 0.2666



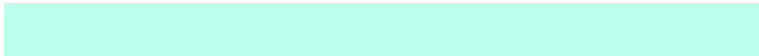
45.8813, 0.4586, 0.3522

Sweetspot

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



45.8831, 0.2487, 0.4048



88.4258, 0.2835, 0.3482



44.9228, 0.3188, 0.5726



18.6632, 0.2799, 0.3511



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.



45.8831, 0.2487, 0.4048



75.0859, 0.2501, 0.4204



31.9347, 0.2107, 0.2684



12.6736, 0.3019, 0.3353



28.5674, 0.2494, 0.4177



1.4860, 0.2439, 0.3982

Inverse Universe

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



14.2453, 0.5428, 0.2901



21.6837, 0.5917, 0.3033



16.9423, 0.5762, 0.3598



11.2624, 0.3248, 0.3228



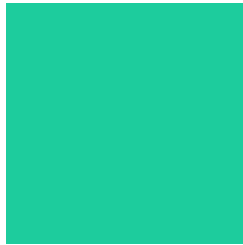
8.2659, 0.5850, 0.2997



0.4394, 0.5278, 0.2681

Previews

White Background



This preview shows how the Yxy color 45.8813, 0.2487, 0.4048 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 45.8813, 0.2487, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

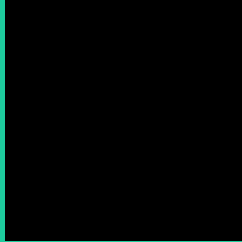
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8813, 0.2487, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 45.8813, 0.2487, 0.4048.

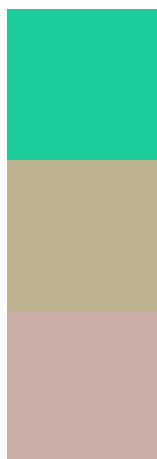


This preview shows how white text looks on a background with the Yxy color 45.8813, 0.2487, 0.4048.

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

45.8813, 0.2487, 0.4048

Protanopia

45.2317, 0.3510, 0.3739

Deuteranopia

45.1240, 0.3471, 0.3405



Tritanopia

46.0018, 0.2289, 0.3058

Trichromacy



Original Color

45.8813, 0.2487, 0.4048



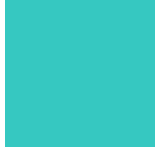
Protanomaly

42.9617, 0.2959, 0.3880



Deuteranomaly

42.3432, 0.2934, 0.3630



Tritanomaly

45.9431, 0.2349, 0.3393

Monochromacy



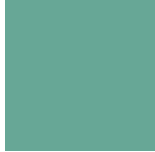
Original Color

45.8813, 0.2487, 0.4048



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.7230, 0.2723, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8813, 0.2487, 0.4048 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(29, 204, 157)` looks like.

```
.text, #text, p{  
    color:rgb(29, 204, 157)  
}
```

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(29, 204, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 204, 157) }
```

Border

The CSS property to change the border of an element to Yxy 45.8813, 0.2487, 0.4048 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(29, 204, 157) }
```

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

```
.border{ border-color:rgb(29, 204, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 204, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 204, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 204, 157);  
box-shadow:4px 4px 4px 4px rgb(29, 204,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8813, 0.2487, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 204, 157) }
```

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

```
.background{ background-color: rgb(29, 204,  
157) }
```

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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