

Converting Colors

$Y_{xy}(45.1858, 0.2525, 0.4291)$

Have a look what the booklet for
Yxy(45.1858, 0.2525, 0.4291)
contains.

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Color

Yxy(45.1993, 0.2523, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	00CC90
RGB	0, 204, 144
RGB Percent	0%, 80%, 56%
CMY	1.0000, 0.2000, 0.4353
CMYK	1.00, 0.00, 0.29, 0.20
HSL	162°, 100%, 40%
HSV	162°, 100%, 80%
XYZ	26.6257, 45.1993, 33.7069
YIQ	136.1640, -102.3240, -61.9080

Conversions

Conversions Part 2

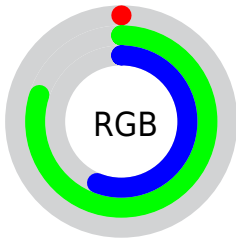
Format	Color
RYB	0, 120, 204
Decimal	52368
CIELab	73.02, -56.56, 18.19
CIELCh	73, 59.415, 162.170
Yxy	45.1993, 0.2523, 0.4283
Android (android.graphics.Color)	4278242448 (0xFF00CC90)
YUV	136.1640, 3.8631, -119.4158
Hunter-Lab	67.2304, -46.9608, 17.3355

Details

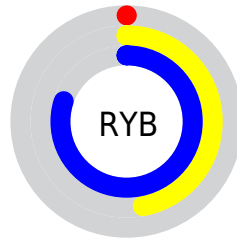
The Yxy color **45.1993, 0.2523, 0.4283** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.1643, 0.5800, 0.2969**, and the grayscale version is **24.7003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4220, 0.2628, 0.4007**, and **21.9701, 0.2592, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **45.2018, 0.2523, 0.4283**, and if you desaturate by 10%, it is **45.5432, 0.2510, 0.4173**.

Distribution



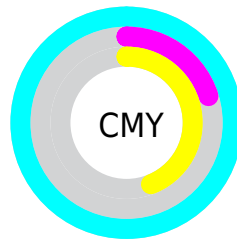
- Red (0%)
- Green (80%)
- Blue (56%)



- Red (0%)
- Yellow (47%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1993, 0.2523, 0.4283 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 45.1993, 0.2523, 0.4283 by changing the saturation by 10% instead.

 45.1993, 0.2523,
0.4283

 45.1993, 0.2523,
0.4283


367.5801, 0.2840,
0.3754

 31.6144, 0.2440,
0.4426


 83.0194, 0.2641,
0.4083


 21.0672, 0.2330,
0.4615


 108.0234, 0.2685,
0.4010

 13.1731, 0.2181,
0.4878


 137.6026, 0.2721,
0.3950

 7.5479, 0.1965,
0.5264

 172.1414, 0.2752,
0.3898

 3.8070, 0.1634,
0.5880

 212.0242, 0.2778,
0.3854

 1.5662, 0.0000,
0.8402

257.6353, 0.2802,

 0.3347, 0.0000,

0.3816

1.0000

309.3591, 0.2822,
0.3783

■ 0.0000, 0.0000,
0.0000

■ 45.1993, 0.2523,
0.4283

■ 45.1993, 0.2523,
0.4283

■ 45.2018, 0.2523,
0.4283

■ 45.5432, 0.2510,
0.4173

■ 46.0558, 0.2513,
0.4061

■ 46.7954, 0.2537,
0.3950

■ 47.7914, 0.2579,
0.3839

■ 49.0692, 0.2640,
0.3732

■ 50.6506, 0.2717,
0.3630

■ 52.5556, 0.2808,
0.3534

■ 54.8022, 0.2908,
0.3445

■ 57.4071, 0.3015,
0.3364

Harmonies

Analogous

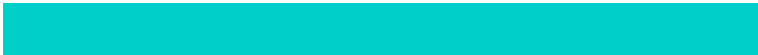
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1993, 0.3290, 0.4811



45.1993, 0.2523, 0.4283



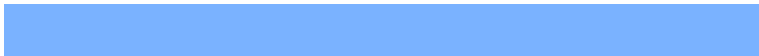
45.1993, 0.1963, 0.3380

Triad

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



45.1993, 0.2523, 0.4283



45.1993, 0.2137, 0.2042



45.1993, 0.4774, 0.3626

Complementary

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



45.1993, 0.2523, 0.4283



13.1643, 0.5800, 0.2969

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.



45.1993, 0.4404, 0.3036



45.1993, 0.2523, 0.4283



45.1993, 0.2780, 0.2174

Square

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



45.1993, 0.2523, 0.4283



45.1993, 0.1781, 0.2168



45.1993, 0.3626, 0.2526



45.1993, 0.4615, 0.4226

Rectangle

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



45.1993, 0.2523, 0.4283



45.1993, 0.1765, 0.2830



45.1993, 0.3626, 0.2526



45.1993, 0.4710, 0.3424

Sweetspot

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



45.2018, 0.2523, 0.4283



86.8989, 0.2804, 0.3538



44.1866, 0.3137, 0.5891



18.2991, 0.2764, 0.3578



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.



45.2018, 0.2523, 0.4283



74.8152, 0.2527, 0.4297



30.6268, 0.2064, 0.2630



12.6686, 0.3022, 0.3359



28.4660, 0.2519, 0.4267



1.4814, 0.2459, 0.4052

Inverse Universe

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



13.1643, 0.5800, 0.2969



21.7680, 0.5832, 0.2986



14.4102, 0.6186, 0.3470



11.2671, 0.3245, 0.3222



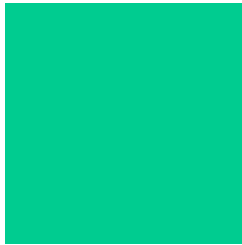
8.2996, 0.5763, 0.2949



0.4416, 0.5195, 0.2635

Previews

White Background



This preview shows how the Yxy color 45.1993, 0.2523, 0.4283 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 45.1993, 0.2523, 0.4283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

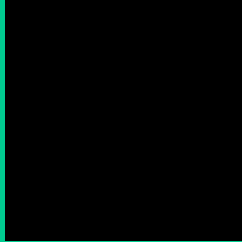
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1993, 0.2523, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 45.1993, 0.2523, 0.4283.



This preview shows how white text looks on a background with the Yxy color 45.1993, 0.2523, 0.4283.

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

45.1993, 0.2523, 0.4283

Protanopia

44.5831, 0.3634, 0.3897

Deuteranopia

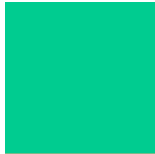
44.1976, 0.3613, 0.3545



Tritanopia

44.9623, 0.2287, 0.3056

Trichromacy



Original Color

45.1993, 0.2523, 0.4283



Protanomaly

41.4558, 0.2982, 0.4088



Deuteranomaly

40.7509, 0.2957, 0.3828



Tritanomaly

44.4896, 0.2344, 0.3458

Monochromacy



Original Color

45.1993, 0.2523, 0.4283



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.3801, 0.2677, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1993, 0.2523, 0.4283 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(0, 204, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 144)  
}
```

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(0, 204, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.1993, 0.2523, 0.4283 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(0, 204, 144) }
```

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

```
.border{ border-color:rgb(0, 204, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1993, 0.2523, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 144) }
```

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

```
.background{ background-color: rgb(0, 204,  
144) }
```

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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