

Converting Colors

$Y_{xy}(45.8164, 0.2535, 0.4287)$

Have a look what the booklet for
Yxy(45.8164, 0.2535, 0.4287)
contains.

Yxy(45.7696, 0.2537, 0.4293)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7696, 0.2537, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	0ECD90
RGB	14, 205, 144
RGB Percent	5%, 80%, 56%
CMY	0.9446, 0.1961, 0.4353
CMYK	0.93, 0.00, 0.30, 0.20
HSL	161°, 87%, 43%
HSV	161°, 93%, 80%
XYZ	27.0481, 45.7696, 33.7968
YIQ	140.9370, -94.2550, -59.4630

Conversions

Conversions Part 2

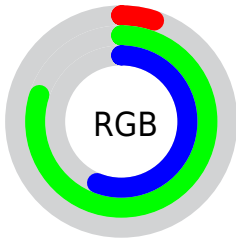
Format	Color
RYB	14, 128, 205
Decimal	970128
CIELab	73.40, -56.45, 18.72
CIELCh	73, 59.469, 161.657
Yxy	45.7696, 0.2537, 0.4293
Android (android.graphics.Color)	4279160208 (0xFF0ECD90)
YUV	140.9370, 1.5101, -111.3237
Hunter-Lab	67.6532, -47.0280, 17.7384

Details

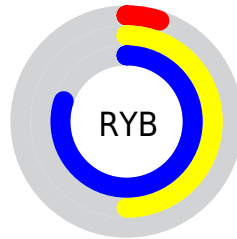
The Yxy color **45.7696, 0.2537, 0.4293** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.8065, 0.5503, 0.2855**, and the grayscale version is **26.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6005, 0.2638, 0.4005**, and **22.2852, 0.2597, 0.4548** is the 20% darker color. If you saturate the color by 10%, you get **45.5417, 0.2549, 0.4376**, and if you desaturate by 10%, it is **46.2341, 0.2532, 0.4172**.

Distribution



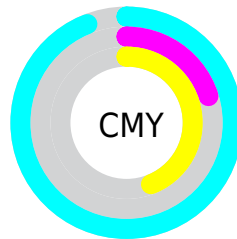
- Red (5%)
- Green (80%)
- Blue (56%)



- Red (5%)
- Yellow (50%)
- Blue (80%)



- Cyan (93%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)





- Cyan (94%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7696, 0.2537, 0.4293 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 45.7696, 0.2537, 0.4293 by changing the saturation by 10% instead.


 45.7696, 0.2537,
0.4293


 45.7696, 0.2537,
0.4293


369.8816, 0.2846,
0.3759


 32.0640, 0.2455,
0.4437


 83.8741, 0.2653,
0.4091


 21.4104, 0.2348,
0.4627


 109.0418, 0.2695,
0.4018


 13.4243, 0.2202,
0.4891


 138.7990, 0.2731,
0.3957

 7.7214, 0.1991,
0.5279

 173.5301, 0.2761,
0.3905

 3.9172, 0.1667,
0.5893

 213.6196, 0.2787,
0.3861

 1.6274, 0.0161,
0.8281

259.4517, 0.2809,

 0.3759, 0.0000,

0.3822

1.0000

311.4109, 0.2829,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 45.7696, 0.2537,
0.4293

■ 45.7696, 0.2537,
0.4293

■ 45.5417, 0.2549,
0.4376

■ 46.2341, 0.2532,
0.4172

■ 46.9171, 0.2547,
0.4049

■ 47.8525, 0.2581,
0.3927

■ 49.0672, 0.2635,
0.3809

■ 50.5842, 0.2705,
0.3695

■ 52.4243, 0.2789,
0.3588

■ 54.6063, 0.2883,
0.3488

■ 57.1477, 0.2986,
0.3397

■ 60.0646, 0.3093,
0.3314

Harmonies

Analogous

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



45.7696, 0.3303, 0.4809



45.7696, 0.2537, 0.4293



45.7696, 0.1974, 0.3395

Triad

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



45.7696, 0.2537, 0.4293



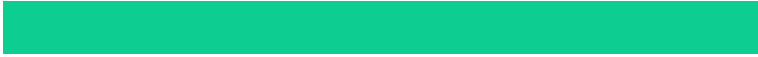
45.7696, 0.2131, 0.2045



45.7696, 0.4767, 0.3615

Complementary

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



45.7696, 0.2537, 0.4293



13.8065, 0.5503, 0.2855

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.



45.7696, 0.4389, 0.3027



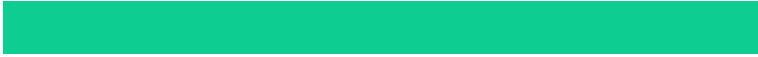
45.7696, 0.2537, 0.4293



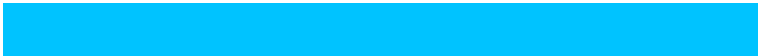
45.7696, 0.2768, 0.2173

Square

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



45.7696, 0.2537, 0.4293



45.7696, 0.1781, 0.2176



45.7696, 0.3610, 0.2520



45.7696, 0.4618, 0.4214

Rectangle

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



45.7696, 0.2537, 0.4293



45.7696, 0.1772, 0.2844



45.7696, 0.3610, 0.2520



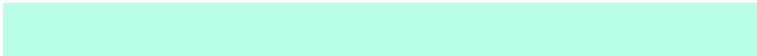
45.7696, 0.4700, 0.3414

Sweetspot

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



45.7714, 0.2537, 0.4293



87.4977, 0.2833, 0.3540



45.3045, 0.3202, 0.5795



18.4069, 0.2792, 0.3584



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.



45.7714, 0.2537, 0.4293



74.5571, 0.2553, 0.4391



34.4618, 0.2117, 0.2786



12.6637, 0.3025, 0.3365



28.3690, 0.2544, 0.4358



1.4770, 0.2479, 0.4123

Inverse Universe

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



13.8065, 0.5503, 0.2855



21.8614, 0.5741, 0.2936



14.9606, 0.6084, 0.3470



11.2718, 0.3241, 0.3216



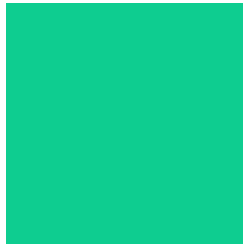
8.3367, 0.5672, 0.2898



0.4439, 0.5110, 0.2589

Previews

White Background



This preview shows how the Yxy color 45.7696, 0.2537, 0.4293 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 45.7696, 0.2537, 0.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

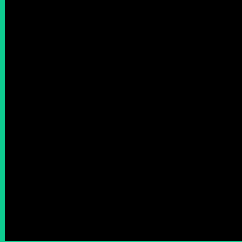
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7696, 0.2537, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 45.7696, 0.2537, 0.4293.



This preview shows how white text looks on a background with the Yxy color 45.7696, 0.2537, 0.4293.

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

45.7696, 0.2537, 0.4293

Protanopia

45.1126, 0.3640, 0.3907

Deuteranopia

44.8612, 0.3629, 0.3555



Tritanopia

45.5354, 0.2292, 0.3057

Trichromacy



Original Color

45.7696, 0.2537, 0.4293



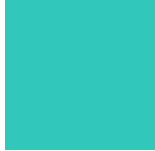
Protanomaly

42.2560, 0.3020, 0.4093



Deuteranomaly

41.6533, 0.3005, 0.3834



Tritanomaly

45.1128, 0.2364, 0.3472

Monochromacy



Original Color

45.7696, 0.2537, 0.4293



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.9368, 0.2718, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7696, 0.2537, 0.4293 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(14, 205, 144)` looks like.

```
.text, #text, p{  
    color:rgb(14, 205, 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(14, 205, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 205, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.7696, 0.2537, 0.4293 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(14, 205, 144) }
```

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

```
.border{ border-color:rgb(14, 205, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 205, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 205, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 205, 144);  
box-shadow:4px 4px 4px 4px rgb(14, 205,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7696, 0.2537, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 205, 144) }
```

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

```
.background{ background-color: rgb(14, 205,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor