

Converting Colors

$Y_{xy}(45.2810, 0.2620, 0.4514)$

Have a look what the booklet for
Yxy(45.2810, 0.2620, 0.4514)
contains.

Yxy(45.0856, 0.2618, 0.4505)	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(45.0856, 0.2618, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	1DCC83
RGB	29, 204, 131
RGB Percent	11%, 80%, 51%
CMY	0.8854, 0.2000, 0.4863
CMYK	0.86, 0.00, 0.36, 0.20
HSL	155°, 75%, 46%
HSV	155°, 86%, 80%
XYZ	26.2007, 45.0856, 28.7927
YIQ	143.3530, -80.8670, -59.8030

Conversions

Conversions Part 2

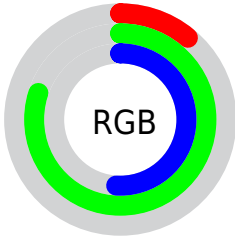
Format	Color
RYB	29, 140, 204
Decimal	1952899
CIELab	72.95, -57.99, 24.99
CIELCh	73, 63.144, 156.690
Yxy	45.0856, 0.2618, 0.4505
Android (android.graphics.Color)	4280142979 (0xFF1DCC83)
YUV	143.3530, -6.0900, -100.2876
Hunter-Lab	67.1458, -47.8534, 21.5780

Details

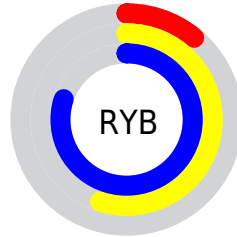
The Yxy color **45.0856, 0.2618, 0.4505** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.6907, 0.4917, 0.2603**, and the grayscale version is **27.6934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2319, 0.2716, 0.4190**, and **21.7739, 0.2671, 0.4817** is the 20% darker color. If you saturate the color by 10%, you get **44.6582, 0.2636, 0.4664**, and if you desaturate by 10%, it is **45.7322, 0.2619, 0.4342**.

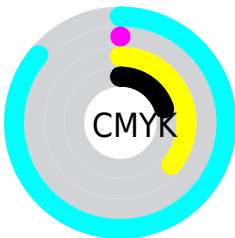
Distribution



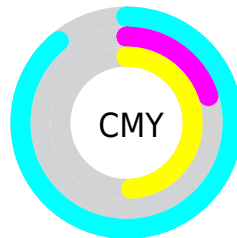
- Red (11%)
- Green (80%)
- Blue (51%)



- Red (11%)
- Yellow (55%)
- Blue (80%)



- Cyan (86%)
- Magenta (0%)
- Yellow (36%)
- Black (20%)




- Cyan (89%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0856, 0.2618, 0.4505 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 45.0856, 0.2618, 0.4505 by changing the saturation by 10% instead.


 45.0856, 0.2618,
0.4505


 45.0856, 0.2618,
0.4505


367.1201, 0.2895,
0.3851

 31.5249, 0.2541,
0.4683


 82.8488, 0.2724,
0.4256


 20.9988, 0.2439,
0.4921


 107.8201, 0.2762,
0.4166

 13.1232, 0.2295,
0.5252


 137.3637, 0.2794,
0.4091

 7.5134, 0.2080,
0.5740

 171.8640, 0.2821,
0.4028

 3.7852, 0.1735,
0.6510

 211.7054, 0.2843,
0.3974

 1.5541, 0.0000,
1.0000

257.2723, 0.2863,

 0.3264, 0.0000,

0.3927

1.0000

308.9491, 0.2880,
0.3887

■ 0.0000, 0.0000,
0.0000

■ 45.0856, 0.2618,
0.4505

■ 45.0856, 0.2618,
0.4505

■ 44.6582, 0.2636,
0.4664

■ 45.7322, 0.2619,
0.4342

■ 44.5111, 0.2648,
0.4731

■ 46.6267, 0.2641,
0.4179

■ 47.7987, 0.2682,
0.4019

■ 49.2720, 0.2739,
0.3864

■ 51.0681, 0.2810,
0.3719

■ 53.2060, 0.2891,
0.3584

■ 55.7036, 0.2980,
0.3460

■ 58.5774, 0.3073,
0.3348

■ 61.8427, 0.3169,
0.3248

Harmonies

Analogous

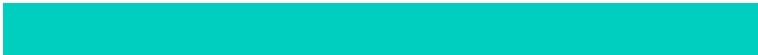
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.0856, 0.3442, 0.4941



45.0856, 0.2618, 0.4505



45.0856, 0.1980, 0.3560

Triad

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



45.0856, 0.2618, 0.4505



45.0856, 0.1992, 0.1980



45.0856, 0.4846, 0.3514

Complementary

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



45.0856, 0.2618, 0.4505



14.6907, 0.4917, 0.2603

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.



45.0856, 0.4357, 0.2910



45.0856, 0.2618, 0.4505



45.0856, 0.2612, 0.2074

Square

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



45.0856, 0.2618, 0.4505



45.0856, 0.1678, 0.2162



45.0856, 0.3484, 0.2402



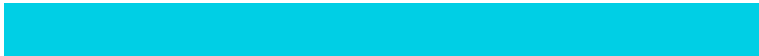
45.0856, 0.4765, 0.4148

Rectangle

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



45.0856, 0.2618, 0.4505



45.0856, 0.1734, 0.2940



45.0856, 0.3484, 0.2402



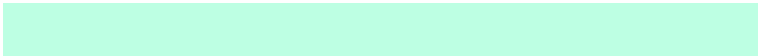
45.0856, 0.4744, 0.3306

Sweetspot

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



45.0874, 0.2618, 0.4505



87.8635, 0.2886, 0.3592



46.2750, 0.3347, 0.5605



18.5292, 0.2856, 0.3639



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.



45.0874, 0.2618, 0.4505



73.6737, 0.2653, 0.4750



42.4752, 0.2222, 0.3111



12.6447, 0.3038, 0.3389



28.0357, 0.2641, 0.4709



1.4613, 0.2556, 0.4401

Inverse Universe

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



14.6907, 0.4917, 0.2603



22.3113, 0.5353, 0.2723



14.5043, 0.6022, 0.3371



11.2901, 0.3226, 0.3194



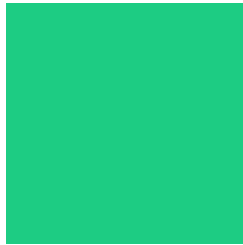
8.5126, 0.5286, 0.2686



0.4542, 0.4783, 0.2409

Previews

White Background



This preview shows how the Yxy color 45.0856, 0.2618, 0.4505 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 45.0856, 0.2618, 0.4505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

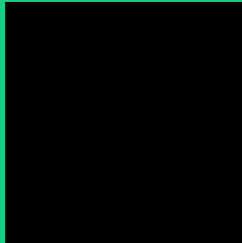
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0856, 0.2618, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 45.0856, 0.2618, 0.4505.

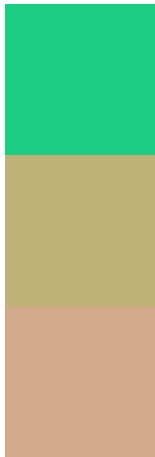


This preview shows how white text looks on a background with the Yxy color 45.0856, 0.2618, 0.4505.

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

45.0856, 0.2618, 0.4505

Protanopia

44.0068, 0.3749, 0.4039

Deuteranopia

44.0234, 0.3766, 0.3680



Tritanopia

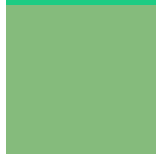
44.7732, 0.2314, 0.3056

Trichromacy



Original Color

45.0856, 0.2618, 0.4505



Protanomaly

41.9824, 0.3152, 0.4258



Deuteranomaly

41.0731, 0.3153, 0.3985



Tritanomaly

44.6542, 0.2413, 0.3552

Monochromacy



Original Color

45.0856, 0.2618, 0.4505



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.5991, 0.2793, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0856, 0.2618, 0.4505 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(29, 204, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 204, 131) }
```

Border

The CSS property to change the border of an element to Yxy 45.0856, 0.2618, 0.4505 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, 131) }
```

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

```
.border{ border-color:rgb(29, 204, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 204, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 204, 131);  
box-shadow:4px 4px 4px 4px rgb(29, 204,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0856, 0.2618, 0.4505 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, 131) }
```

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

```
.background{ background-color: rgb(29, 204,  
131) }
```

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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