

Converting Colors

$Y_{xy}(47.3155, 0.2549, 0.4312)$

Have a look what the booklet for
Yxy(47.3155, 0.2549, 0.4312)
contains.

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Color

Yxy(47.3155, 0.2549, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	15D091
RGB	21, 208, 145
RGB Percent	8%, 82%, 57%
CMY	0.9190, 0.1843, 0.4314
CMYK	0.90, 0.00, 0.30, 0.18
HSL	160°, 82%, 45%
HSV	160°, 90%, 82%
XYZ	27.9701, 47.3155, 34.4442
YIQ	144.9050, -91.2290, -59.2370

Conversions

Conversions Part 2

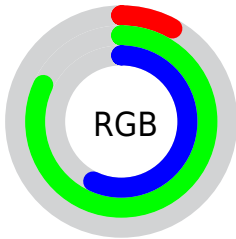
Format	Color
R_{YB}	21, 133, 208
Decimal	1429649
CIE _{Lab}	74.39, -57.04, 19.57
CIE _{LCh}	74, 60.307, 161.062
Yxy	47.3155, 0.2549, 0.4312
Android (android.graphics.Color)	4279619729 (0xFF15D091)
YUV	144.9050, 0.0468, -108.6647
Hunter-Lab	68.7863, -47.7936, 18.4614

Details

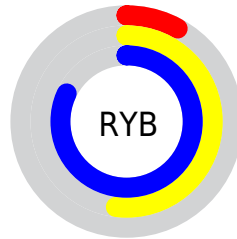
The Yxy color **47.3155, 0.2549, 0.4312** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.5707, 0.5348, 0.2797**, and the grayscale version is **28.2617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7693, 0.2641, 0.3991**, and **23.2646, 0.2603, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **46.9537, 0.2566, 0.4438**, and if you desaturate by 10%, it is **47.8652, 0.2548, 0.4183**.

Distribution



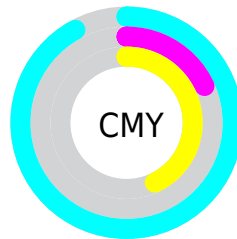
- Red (8%)
- Green (82%)
- Blue (57%)



- Red (8%)
- Yellow (52%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)





- Cyan (92%)
- Magenta (18%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3155, 0.2549, 0.4312 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 47.3155, 0.2549, 0.4312 by changing the saturation by 10% instead.


 47.3155, 0.2549,
0.4312


 47.3155, 0.2549,
0.4312


376.0725, 0.2851,
0.3770

 33.2851, 0.2470,
0.4457


 86.1844, 0.2662,
0.4108

 22.3450, 0.2365,
0.4648

 111.7917, 0.2703,
0.4034

 14.1106, 0.2223,
0.4913


 142.0267, 0.2738,
0.3972

 8.1976, 0.2019,
0.5298

 177.2740, 0.2768,
0.3919

 4.2217, 0.1706,
0.5905

 217.9178, 0.2793,
0.3874

 1.7983, 0.0533,
0.7865

264.3425, 0.2815,


 0.4861, 0.0000,


0.3835


1.0000


316.9326, 0.2834,
0.3801

 0.0000, 0.0000,
0.0000


 47.3155, 0.2549,
0.4312


 47.3155, 0.2549,
0.4312

 46.9537, 0.2566,
0.4438

 47.8652, 0.2548,
0.4183

 48.6530, 0.2568,
0.4053

 49.7121, 0.2607,
0.3925

 51.0690, 0.2664,
0.3801

 52.7470, 0.2737,
0.3683

■ 54.7668, 0.2823,
0.3572

■ 57.1476, 0.2918,
0.3469

■ 59.9070, 0.3020,
0.3375

■ 63.0614, 0.3126,
0.3291

Harmonies

Analogous

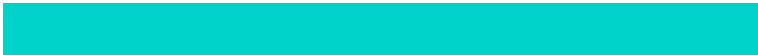
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3155, 0.3319, 0.4817



47.3155, 0.2549, 0.4312



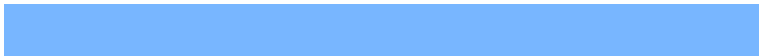
47.3155, 0.1979, 0.3413

Triad

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



47.3155, 0.2549, 0.4312



47.3155, 0.2119, 0.2042



47.3155, 0.4769, 0.3603

Complementary

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



47.3155, 0.2549, 0.4312



14.5707, 0.5348, 0.2797

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.



47.3155, 0.4380, 0.3015



47.3155, 0.2549, 0.4312



47.3155, 0.2752, 0.2166

Square

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



47.3155, 0.2549, 0.4312



47.3155, 0.1774, 0.2179



47.3155, 0.3594, 0.2510



47.3155, 0.4629, 0.4204

Rectangle

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



47.3155, 0.2549, 0.4312



47.3155, 0.1772, 0.2857



47.3155, 0.3594, 0.2510



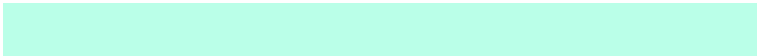
47.3155, 0.4698, 0.3402

Sweetspot

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



47.3174, 0.2549, 0.4312



87.7951, 0.2848, 0.3542



47.1599, 0.3234, 0.5744



18.5299, 0.2816, 0.3579



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.



47.3174, 0.2549, 0.4312



74.3932, 0.2570, 0.4453



37.3164, 0.2141, 0.2855



13.3367, 0.3027, 0.3369



29.2791, 0.2561, 0.4420



1.6516, 0.2496, 0.4187

Inverse Universe

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



14.5707, 0.5348, 0.2797



21.9282, 0.5679, 0.2902



15.6416, 0.6032, 0.3464



11.8729, 0.3238, 0.3212



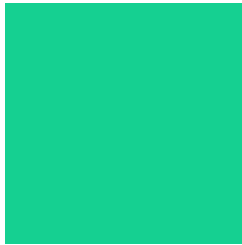
8.6493, 0.5612, 0.2865



0.4983, 0.5092, 0.2579

Previews

White Background



This preview shows how the Yxy color 47.3155, 0.2549, 0.4312 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 47.3155, 0.2549, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

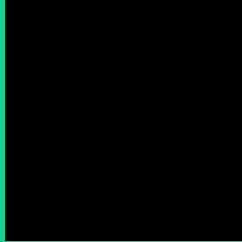
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3155, 0.2549, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 47.3155, 0.2549, 0.4312.

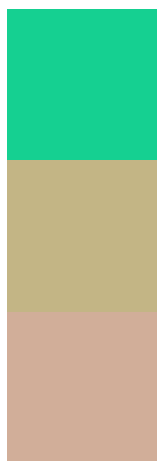


This preview shows how white text looks on a background with the Yxy color 47.3155, 0.2549, 0.4312.

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

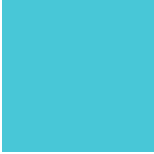
47.3155, 0.2549, 0.4312

Protanopia

46.3433, 0.3652, 0.3912

Deuteranopia

46.1273, 0.3633, 0.3552



Tritanopia

47.1309, 0.2296, 0.3060

Trichromacy



Original Color

47.3155, 0.2549, 0.4312



Protanomaly

43.9733, 0.3051, 0.4107



Deuteranomaly

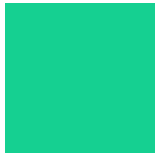
42.9825, 0.3030, 0.3825



Tritanomaly

46.7156, 0.2368, 0.3469

Monochromacy



Original Color

47.3155, 0.2549, 0.4312



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7589, 0.2739, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3155, 0.2549, 0.4312 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(21, 208, 145)` looks like.

```
.text, #text, p{  
    color:rgb(21, 208, 145)  
}
```

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(21, 208, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 208, 145) }
```

Border

The CSS property to change the border of an element to Yxy 47.3155, 0.2549, 0.4312 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(21, 208, 145) }
```

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

```
.border{ border-color:rgb(21, 208, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 208, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 208, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 208, 145);  
box-shadow:4px 4px 4px 4px rgb(21, 208,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3155, 0.2549, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 208, 145) }
```

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

```
.background{ background-color: rgb(21, 208,  
145) }
```

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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