

Converting Colors

$Yxy(51.0957, 0.2501, 0.4149)$

Have a look what the booklet for
Yxy(51.0957, 0.2501, 0.4149)
contains.

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Color

Yxy(51.2528, 0.2504, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	14D79F
RGB	20, 215, 159
RGB Percent	8%, 84%, 62%
CMY	0.9230, 0.1568, 0.3764
CMYK	0.91, 0.00, 0.26, 0.16
HSL	163°, 83%, 46%
HSV	163°, 91%, 84%
XYZ	30.8428, 51.2528, 41.0786
YIQ	150.3110, -98.2440, -58.7560

Conversions

Conversions Part 2

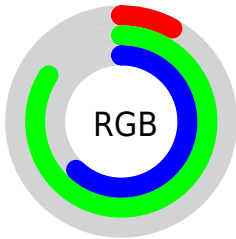
Format	Color
RYB	20, 134, 215
Decimal	1365919
CIELab	76.83, -56.55, 15.54
CIElCh	77, 58.643, 164.634
Yxy	51.2528, 0.2504, 0.4161
Android (android.graphics.Color)	4279555999 (0xFF14D79F)
YUV	150.3110, 4.2837, -114.2827
Hunter-Lab	71.5911, -48.3831, 16.0934

Details

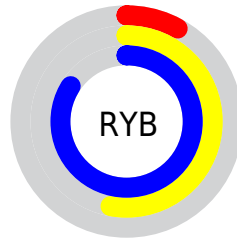
The Yxy color **51.2528, 0.2504, 0.4161** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **15.4526, 0.5556, 0.2904**, and the grayscale version is **30.6055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6262, 0.2582, 0.3792**, and **25.8578, 0.2550, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **50.9189, 0.2516, 0.4259**, and if you desaturate by 10%, it is **51.8034, 0.2506, 0.4052**.

Distribution



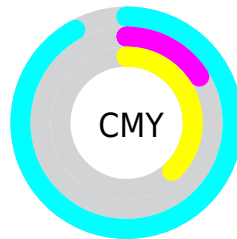
- Red (8%)
- Green (84%)
- Blue (62%)



- Red (8%)
- Yellow (53%)
- Blue (84%)



- Cyan (91%)
- Magenta (0%)
- Yellow (26%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2528, 0.2504, 0.4161 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 51.2528, 0.2504, 0.4161 by changing the saturation by 10% instead.

 51.2528, 0.2504,
0.4161

 51.2528, 0.2504,
0.4161


391.5452, 0.2820,
0.3709


 36.4098, 0.2424,
0.4278


 92.0283, 0.2620,
0.3993


 24.7509, 0.2322,
0.4432


 118.7297, 0.2663,
0.3931


 15.8916, 0.2185,
0.4640


 150.1527, 0.2699,
0.3880

 9.4474, 0.1994,
0.4938

 186.6816, 0.2730,
0.3835

 5.0342, 0.1712,
0.5396

 228.7010, 0.2757,
0.3797

 2.2673, 0.1085,
0.6297

276.5951, 0.2781,

 0.7563, 0.0000,

0.3764

1.0000

330.7483, 0.2802,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 51.2528, 0.2504,
0.4161

■ 51.2528, 0.2504,
0.4161

■ 50.9189, 0.2516,
0.4259

■ 51.8034, 0.2506,
0.4052

■ 52.6042, 0.2527,
0.3943

■ 53.6916, 0.2569,
0.3836

■ 55.0948, 0.2629,
0.3731

■ 56.8389, 0.2705,
0.3631

■ 58.9468, 0.2795,
0.3536

■ 61.4392, 0.2896,
0.3449

■ 64.3353, 0.3004,
0.3369

■ 67.6528, 0.3117,
0.3296

Harmonies

Analogous

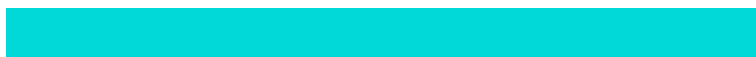
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2528, 0.3227, 0.4704



51.2528, 0.2504, 0.4161



51.2528, 0.1989, 0.3310

Triad

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



51.2528, 0.2504, 0.4161



51.2528, 0.2224, 0.2098



51.2528, 0.4696, 0.3669

Complementary

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



51.2528, 0.2504, 0.4161



15.4526, 0.5556, 0.2904

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.



51.2528, 0.4382, 0.3097



51.2528, 0.2504, 0.4161



51.2528, 0.2861, 0.2244

Square

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



51.2528, 0.2504, 0.4161



51.2528, 0.1858, 0.2201



51.2528, 0.3669, 0.2597



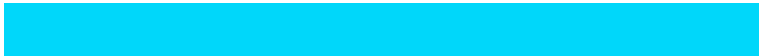
51.2528, 0.4515, 0.4237

Rectangle

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



51.2528, 0.2504, 0.4161



51.2528, 0.1812, 0.2804



51.2528, 0.3669, 0.2597



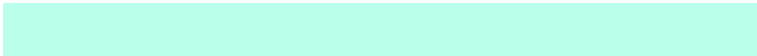
51.2528, 0.4647, 0.3475

Sweetspot

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



51.2548, 0.2504, 0.4161



87.9917, 0.2831, 0.3504



50.2852, 0.3179, 0.5795



18.5766, 0.2797, 0.3535



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.



51.2548, 0.2504, 0.4161



74.8945, 0.2519, 0.4269



36.0768, 0.2095, 0.2694



14.0444, 0.3020, 0.3358



30.4717, 0.2512, 0.4243



1.8519, 0.2460, 0.4057

Inverse Universe

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



15.4526, 0.5556, 0.2904



21.7420, 0.5858, 0.3000



17.5960, 0.5967, 0.3535



12.4787, 0.3246, 0.3223



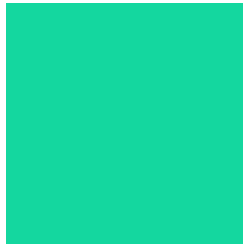
8.8625, 0.5796, 0.2966



0.5488, 0.5296, 0.2691

Previews

White Background



This preview shows how the Yxy color 51.2528, 0.2504, 0.4161 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 51.2528, 0.2504, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

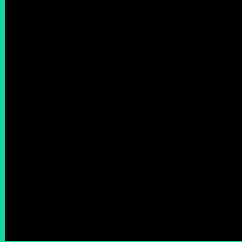
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2528, 0.2504, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 51.2528, 0.2504, 0.4161.



This preview shows how white text looks on a background with the Yxy color 51.2528, 0.2504, 0.4161.

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

51.2528, 0.2504, 0.4161

Protanopia

50.3211, 0.3567, 0.3820

Deuteranopia

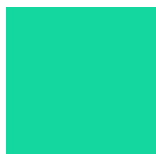
50.1339, 0.3536, 0.3460



Tritanopia

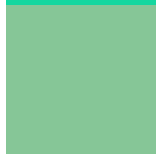
51.3311, 0.2289, 0.3068

Trichromacy



Original Color

51.2528, 0.2504, 0.4161



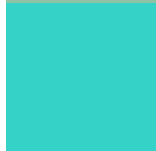
Protanomaly

47.6909, 0.2970, 0.3977



Deuteranomaly

46.6599, 0.2946, 0.3705



Tritanomaly

51.0202, 0.2351, 0.3433

Monochromacy



Original Color

51.2528, 0.2504, 0.4161



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.4556, 0.2715, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2528, 0.2504, 0.4161 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(20, 215, 159)` looks like.

```
.text, #text, p{  
    color:rgb(20, 215, 159)  
}
```

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(20, 215, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 215, 159) }
```

Border

The CSS property to change the border of an element to Yxy 51.2528, 0.2504, 0.4161 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(20, 215, 159) }
```

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

```
.border{ border-color:rgb(20, 215, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 215, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 215, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 215, 159);  
box-shadow:4px 4px 4px 4px rgb(20, 215,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2528, 0.2504, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 215, 159) }
```

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

```
.background{ background-color: rgb(20, 215,  
159) }
```

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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