

Converting Colors

$Y_{xy}(49.7052, 0.2337, 0.3561)$

Have a look what the booklet for
Yxy(49.7052, 0.2337, 0.3561)
contains.

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Color

Yxy(49.5219, 0.2336, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	15D1BF
RGB	21, 209, 191
RGB Percent	8%, 82%, 75%
CMY	0.9181, 0.1804, 0.2509
CMYK	0.90, 0.00, 0.09, 0.18
HSL	174°, 82%, 45%
HSV	174°, 90%, 82%
XYZ	32.5135, 49.5219, 57.1492
YIQ	150.7360, -106.2700, -45.4540

Conversions

Conversions Part 2

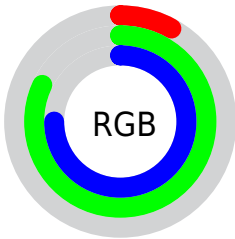
Format	Color
R_{YB}	21, 120, 209
Decimal	1429951
CIE _{Lab}	75.77, -45.90, -3.10
CIE _{LCh}	76, 45.999, 183.860
Yxy	49.5219, 0.2336, 0.3558
Android (android.graphics.Color)	4279620031 (0xFF15D1BF)
YUV	150.7360, 19.8502, -113.7785
Hunter-Lab	70.3718, -40.6792, 1.1106

Details

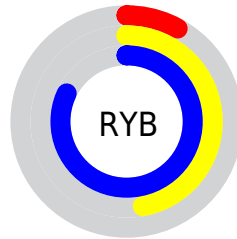
The Yxy color **49.5219, 0.2336, 0.3558** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **14.2333, 0.6065, 0.3206**, and the grayscale version is **30.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5504, 0.2446, 0.3382**, and **24.9462, 0.2336, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **49.2784, 0.2331, 0.3590**, and if you desaturate by 10%, it is **49.9418, 0.2356, 0.3525**.

Distribution



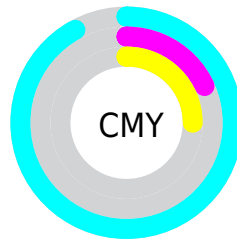
- Red (8%)
- Green (82%)
- Blue (75%)



- Red (8%)
- Yellow (47%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)





- Cyan (92%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5219, 0.2336, 0.3558 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 49.5219, 0.2336, 0.3558 by changing the saturation by 10% instead.


 49.5219, 0.2336,
0.3558

 49.5219, 0.2336,
0.3558


384.7933, 0.2721,
0.3431


 35.0337, 0.2244,
0.3587

 89.4661, 0.2473,
0.3514

 23.6888, 0.2127,
0.3624


 115.6908, 0.2526,
0.3496


 15.1029, 0.1977,
0.3669


 146.5966, 0.2570,
0.3482

 8.8917, 0.1776,
0.3728

 182.5676, 0.2609,
0.3469

 4.6706, 0.1496,
0.3804

 223.9884, 0.2642,
0.3458

 2.0553, 0.1031,
0.3927

271.2434, 0.2672,

 0.6393, 0.0000,

0.3448

0.4119

324.7169, 0.2698,
0.3439

■ 0.0000, 0.0000,
0.0000

■ 49.5219, 0.2336,
0.3558

■ 49.5219, 0.2336,
0.3558

■ 49.2784, 0.2331,
0.3590

■ 49.9418, 0.2356,
0.3525

■ 50.5903, 0.2394,
0.3493

■ 51.5005, 0.2452,
0.3460

■ 52.6991, 0.2529,
0.3428

■ 54.2093, 0.2623,
0.3397

■ 56.0520, 0.2732,
0.3367

■ 58.2464, 0.2855,
0.3339

■ 60.8100, 0.2987,
0.3314

■ 63.7593, 0.3127,
0.3290

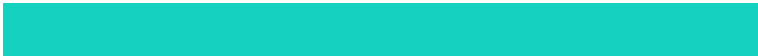
Harmonies

Analogous

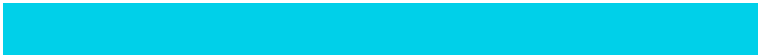
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5219, 0.2840, 0.4159



49.5219, 0.2336, 0.3558



49.5219, 0.2056, 0.2933

Triad

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



49.5219, 0.2336, 0.3558



49.5219, 0.2712, 0.2364



49.5219, 0.4341, 0.3931

Complementary

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



49.5219, 0.2336, 0.3558



14.2333, 0.6065, 0.3206

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.



49.5219, 0.4330, 0.3455



49.5219, 0.2336, 0.3558



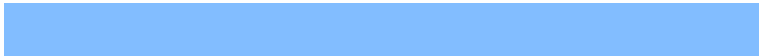
49.5219, 0.3331, 0.2602

Square

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



49.5219, 0.2336, 0.3558



49.5219, 0.2257, 0.2320



49.5219, 0.3947, 0.2987



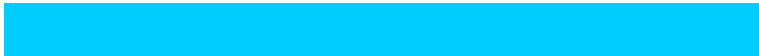
49.5219, 0.4005, 0.4314

Rectangle

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



49.5219, 0.2336, 0.3558



49.5219, 0.2012, 0.2619



49.5219, 0.3947, 0.2987



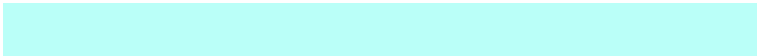
49.5219, 0.4380, 0.3777

Sweetspot

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



49.5238, 0.2336, 0.3558



88.7813, 0.2764, 0.3359



46.1016, 0.3041, 0.5892



18.7652, 0.2724, 0.3369



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.



49.5238, 0.2336, 0.3558



77.2687, 0.2332, 0.3594



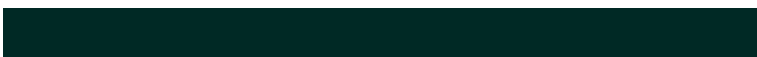
21.7440, 0.1925, 0.2061



13.3868, 0.2996, 0.3312



30.3903, 0.2329, 0.3586



1.7050, 0.2313, 0.3526

Inverse Universe

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



14.2333, 0.6065, 0.3206



21.3275, 0.6317, 0.3253



21.9989, 0.5473, 0.3931



11.8263, 0.3276, 0.3268



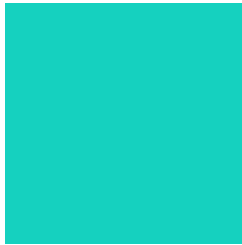
8.3955, 0.6282, 0.3234



0.4759, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 49.5219, 0.2336, 0.3558 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 49.5219, 0.2336, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

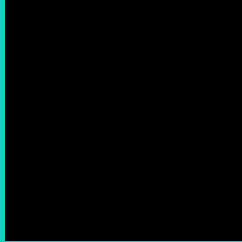
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

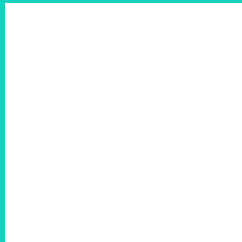
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5219, 0.2336, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 49.5219, 0.2336, 0.3558.

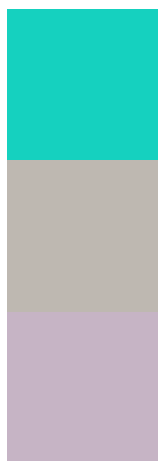


This preview shows how white text looks on a background with the Yxy color 49.5219, 0.2336, 0.3558.

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

49.5219, 0.2336, 0.3558

Protanopia

48.4025, 0.3234, 0.3380

Deuteranopia

48.6795, 0.3145, 0.3082



Tritanopia

49.6674, 0.2245, 0.3063

Trichromacy



Original Color

49.5219, 0.2336, 0.3558



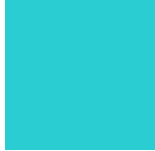
Protanomaly

46.1845, 0.2729, 0.3447



Deuteranomaly

46.2701, 0.2677, 0.3233



Tritanomaly

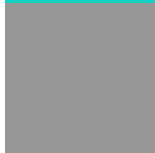
49.2880, 0.2271, 0.3230

Monochromacy



Original Color

49.5219, 0.2336, 0.3558



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.2013, 0.2630, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5219, 0.2336, 0.3558 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, 209, 191)` looks like.

```
.text, #text, p{  
    color:rgb(21, 209, 191)  
}
```

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, 209, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 209, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.5219, 0.2336, 0.3558 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, 209, 191) }
```

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

```
.border{ border-color:rgb(21, 209, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 209, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 209, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 209, 191);  
box-shadow:4px 4px 4px 4px rgb(21, 209,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5219, 0.2336, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 209, 191) }
```

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

```
.background{ background-color: rgb(21, 209,  
191) }
```

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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