

Converting Colors

$Y_{xy}(49.1345, 0.2351, 0.3663)$

Have a look what the booklet for
Yxy(49.1345, 0.2351, 0.3663)
contains.

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Color

Yxy(49.1037, 0.2348, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	00D1B9
RGB	0, 209, 185
RGB Percent	0%, 82%, 73%
CMY	1.0000, 0.1804, 0.2744
CMYK	1.00, 0.00, 0.11, 0.18
HSL	173°, 100%, 41%
HSV	173°, 100%, 82%
XYZ	31.5532, 49.1037, 53.7265
YIQ	143.7730, -116.8600, -51.7720

Conversions

Conversions Part 2

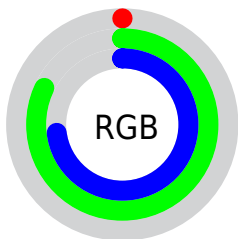
Format	Color
RYB	0, 111, 209
Decimal	53689
CIELab	75.52, -48.26, -0.26
CIELCh	76, 48.256, 180.304
Yxy	49.1037, 0.2348, 0.3654
Android (android.graphics.Color)	4278243769 (0xFF00D1B9)
YUV	143.7730, 20.3249, -126.0889
Hunter-Lab	70.0740, -42.2538, 3.5936

Details

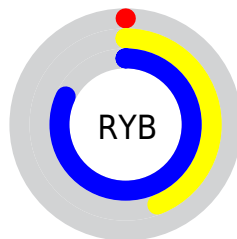
The Yxy color **49.1037, 0.2348, 0.3654** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.6226, 0.6273, 0.3229**, and the grayscale version is **27.7492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8741, 0.2454, 0.3454**, and **24.4484, 0.2367, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **49.1096, 0.2348, 0.3654**, and if you desaturate by 10%, it is **49.3701, 0.2352, 0.3615**.

Distribution



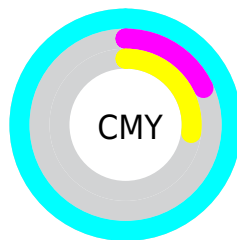
- Red (0%)
- Green (82%)
- Blue (73%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1037, 0.2348, 0.3654 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 49.1037, 0.2348, 0.3654 by changing the saturation by 10% instead.


 49.1037, 0.2348,
0.3654


 49.1037, 0.2348,
0.3654


383.1504, 0.2730,
0.3476


 34.7017, 0.2256,
0.3697


 88.8455, 0.2485,
0.3590

 23.4332, 0.2139,
0.3751


 114.9540, 0.2536,
0.3566

 14.9137, 0.1988,
0.3821


 145.7336, 0.2581,
0.3546

 8.7589, 0.1784,
0.3915

 181.5686, 0.2619,
0.3528

 4.5842, 0.1499,
0.4047

 222.8434, 0.2652,
0.3512

 2.0054, 0.0973,
0.4290

269.9424, 0.2681,

 0.6106, 0.0000,

0.3499

0.4721

323.2499, 0.2707,
0.3487

■ 0.0000, 0.0000,
0.0000

■ 49.1037, 0.2348,
0.3654

■ 49.1037, 0.2348,
0.3654

■ 49.1096, 0.2348,
0.3654

■ 49.3701, 0.2352,
0.3615

■ 49.8037, 0.2371,
0.3575

■ 50.4683, 0.2408,
0.3535

■ 51.3953, 0.2464,
0.3495

■ 52.6111, 0.2539,
0.3456

■ 54.1392, 0.2632,
0.3419

■ 56.0004, 0.2740,
0.3383

■ 58.2138, 0.2860,
0.3349

■ 60.7970, 0.2990,
0.3318

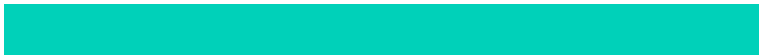
Harmonies

Analogous

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



49.1037, 0.2895, 0.4267



49.1037, 0.2348, 0.3654



49.1037, 0.2027, 0.2981

Triad

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



49.1037, 0.2348, 0.3654



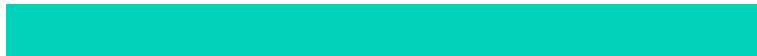
49.1037, 0.2623, 0.2306



49.1037, 0.4421, 0.3898

Complementary

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



49.1037, 0.2348, 0.3654



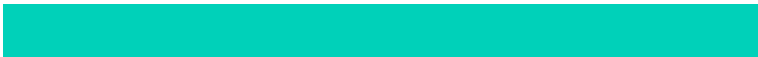
13.6226, 0.6273, 0.3229

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.



49.1037, 0.4365, 0.3398



49.1037, 0.2348, 0.3654



49.1037, 0.3258, 0.2532

Square

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



49.1037, 0.2348, 0.3654



49.1037, 0.2176, 0.2285



49.1037, 0.3921, 0.2918



49.1037, 0.4102, 0.4324

Rectangle

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



49.1037, 0.2348, 0.3654



49.1037, 0.1961, 0.2634



49.1037, 0.3921, 0.2918



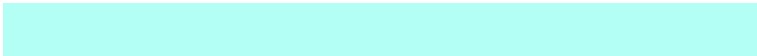
49.1037, 0.4448, 0.3734

Sweetspot

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



49.1096, 0.2348, 0.3654



87.7116, 0.2736, 0.3384



45.8047, 0.3027, 0.5979



18.4951, 0.2688, 0.3399



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.



49.1096, 0.2348, 0.3654



76.9965, 0.2350, 0.3658



20.2753, 0.1881, 0.1971



13.3827, 0.2998, 0.3317



30.2857, 0.2347, 0.3648



1.7002, 0.2327, 0.3576

Inverse Universe

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



13.6226, 0.6273, 0.3229



21.3500, 0.6289, 0.3238



19.3117, 0.5757, 0.3811



11.8300, 0.3273, 0.3264



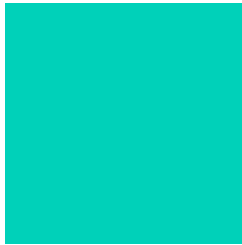
8.4059, 0.6250, 0.3217



0.4776, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 49.1037, 0.2348, 0.3654 looks on a white background.

Color Contrast Check

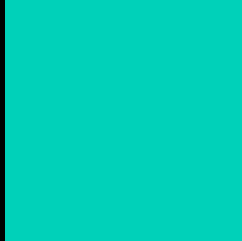
Large Text (above 18pt) WCAG AA × Fail

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 49.1037, 0.2348, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

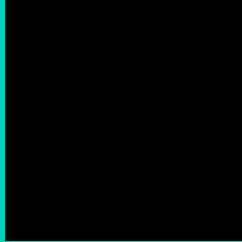
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

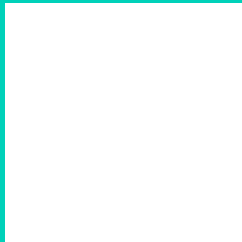
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1037, 0.2348, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 49.1037, 0.2348, 0.3654.

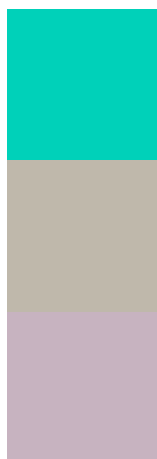


This preview shows how white text looks on a background with the Yxy color 49.1037, 0.2348, 0.3654.

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

49.1037, 0.2348, 0.3654

Protanopia

48.2976, 0.3291, 0.3457

Deuteranopia

48.1881, 0.3195, 0.3130



Tritanopia

49.1653, 0.2248, 0.3062

Trichromacy



Original Color

49.1037, 0.2348, 0.3654



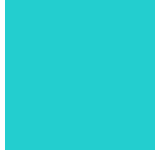
Protanomaly

45.4121, 0.2722, 0.3538



Deuteranomaly

45.0131, 0.2667, 0.3303



Tritanomaly

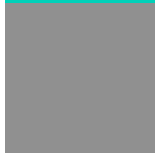
49.0049, 0.2273, 0.3273

Monochromacy



Original Color

49.1037, 0.2348, 0.3654



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.7838, 0.2589, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1037, 0.2348, 0.3654 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(0, 209, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 185)  
}
```

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(0, 209, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 185) }
```

Border

The CSS property to change the border of an element to Yxy 49.1037, 0.2348, 0.3654 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(0, 209, 185) }
```

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

```
.border{ border-color:rgb(0, 209, 185) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1037, 0.2348, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 185) }
```

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

```
.background{ background-color: rgb(0, 209,  
185) }
```

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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