

Converting Colors

$Y_{xy}(49.3361, 0.2265, 0.3287)$

Have a look what the booklet for
Yxy(49.3361, 0.2265, 0.3287)
contains.

Yxy(49.3503, 0.2265, 0.3287)	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(49.3503, 0.2265, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	1ACFCF
RGB	26, 207, 207
RGB Percent	10%, 81%, 81%
CMY	0.8975, 0.1882, 0.1881
CMYK	0.87, 0.00, 0.00, 0.19
HSL	180°, 78%, 46%
HSV	180°, 87%, 81%
XYZ	34.0062, 49.3503, 66.7813
YIQ	152.8810, -107.8760, -38.3720

Conversions

Conversions Part 2

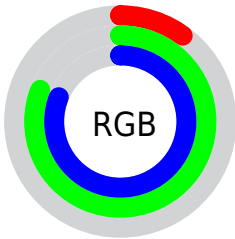
Format	Color
RYB	26, 117, 207
Decimal	1757135
CIELab	75.67, -40.17, -11.88
CIELCh	76, 41.885, 196.473
Yxy	49.3503, 0.2265, 0.3287
Android (android.graphics.Color)	4279947215 (0xFF1ACFCF)
YUV	152.8810, 26.6807, -111.2746
Hunter-Lab	70.2498, -36.5296, -7.1878

Details

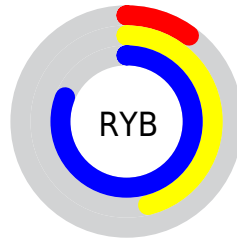
The Yxy color **49.3503, 0.2265, 0.3287** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0912, 0.6158, 0.3299**, and the grayscale version is **31.7383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **24.7564, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **49.1640, 0.2249, 0.3287**, and if you desaturate by 10%, it is **49.7330, 0.2296, 0.3287**.

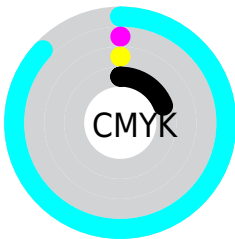
Distribution



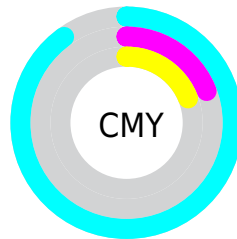
- Red (10%)
- Green (81%)
- Blue (81%)



- Red (10%)
- Yellow (46%)
- Blue (81%)



- Cyan (87%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (90%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3503, 0.2265, 0.3287 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 49.3503, 0.2265, 0.3287 by changing the saturation by 10% instead.


 49.3503, 0.2265,
0.3287


 49.3503, 0.2265,
0.3287


384.1197, 0.2679,
0.3301

 34.8974, 0.2167,
0.3280


 89.2115, 0.2411,
0.3295


 23.5839, 0.2045,
0.3268


 115.3886, 0.2468,
0.3297


 15.0252, 0.1889,
0.3249


 146.2427, 0.2516,
0.3299

 8.8371, 0.1684,
0.3217

 182.1579, 0.2557,
0.3300

 4.6351, 0.1404,
0.3157

 223.5189, 0.2594,
0.3300

 2.0348, 0.0997,
0.3036

270.7099, 0.2626,

 0.6276, 0.0000,

0.3301

0.2786

324.1154, 0.2654,
0.3301

■ 0.0000, 0.0000,
0.0000

■ 49.3503, 0.2265,
0.3287

■ 49.3503, 0.2265,
0.3287

■ 49.1640, 0.2249,
0.3287

■ 49.7330, 0.2296,
0.3287

■ 49.1285, 0.2246,
0.3287

■ 50.3468, 0.2346,
0.3287

■ 51.2228, 0.2415,
0.3288

■ 52.3858, 0.2503,
0.3288

■ 53.8580, 0.2609,
0.3288

■ 55.6592, 0.2731,
0.3289

■ 57.8076, 0.2867,
0.3289

■ 60.3203, 0.3014,
0.3290

■ 63.2128, 0.3168,
0.3290

Harmonies

Analogous

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



49.3503, 0.2654, 0.3869



49.3503, 0.2265, 0.3287



49.3503, 0.2102, 0.2776

Triad

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



49.3503, 0.2265, 0.3287



49.3503, 0.2977, 0.2508



49.3503, 0.4144, 0.4051

Complementary

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



49.3503, 0.2265, 0.3287



14.0912, 0.6158, 0.3299

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.



49.3503, 0.4273, 0.3639



49.3503, 0.2265, 0.3287



49.3503, 0.3564, 0.2793

Square

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



49.3503, 0.2265, 0.3287



49.3503, 0.2481, 0.2389



49.3503, 0.4057, 0.3193



49.3503, 0.3740, 0.4312

Rectangle

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



49.3503, 0.2265, 0.3287



49.3503, 0.2127, 0.2547



49.3503, 0.4057, 0.3193



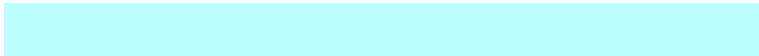
49.3503, 0.4223, 0.3924

Sweetspot

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



49.3521, 0.2265, 0.3287



89.5134, 0.2745, 0.3289



44.9357, 0.3005, 0.5888



18.9254, 0.2700, 0.3289



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.



49.3521, 0.2265, 0.3287



78.7129, 0.2246, 0.3287



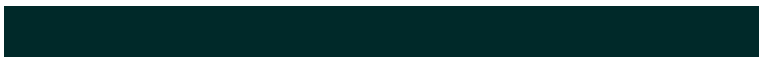
17.3544, 0.1860, 0.1793



13.4068, 0.2983, 0.3290



30.9441, 0.2246, 0.3287



1.7303, 0.2246, 0.3287

Inverse Universe

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



18.5195, 0.3207, 0.1589



28.4773, 0.3210, 0.1542



25.9711, 0.5158, 0.4155



12.0090, 0.3138, 0.3061



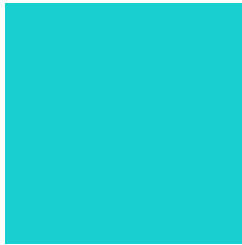
11.1951, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 49.3503, 0.2265, 0.3287 looks on a white background.

Color Contrast Check

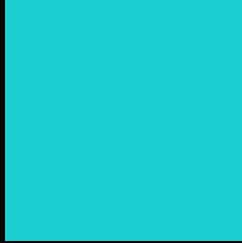
Large Text (above 18pt) WCAG AA × Fail

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 49.3503, 0.2265, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

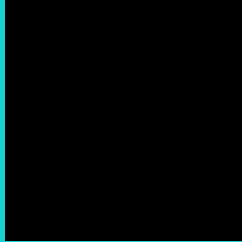
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

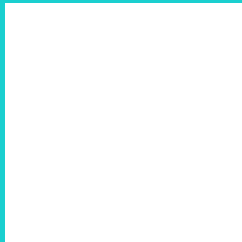
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3503, 0.2265, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 49.3503, 0.2265, 0.3287.

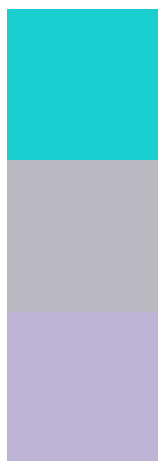


This preview shows how white text looks on a background with the Yxy color 49.3503, 0.2265, 0.3287.

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

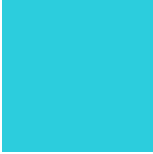
49.3503, 0.2265, 0.3287

Protanopia

48.5703, 0.3074, 0.3176

Deuteranopia

48.3938, 0.2957, 0.2887



Tritanopia

49.4186, 0.2226, 0.3062

Trichromacy



Original Color

49.3503, 0.2265, 0.3287



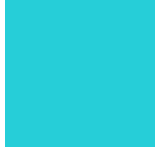
Protanomaly

46.3657, 0.2623, 0.3205



Deuteranomaly

46.2759, 0.2555, 0.3002



Tritanomaly

49.5126, 0.2240, 0.3145

Monochromacy



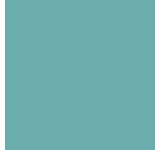
Original Color

49.3503, 0.2265, 0.3287



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.0301, 0.2606, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3503, 0.2265, 0.3287 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(26, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(26, 207, 207)  
}
```

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(26, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 207, 207) }
```

Border

The CSS property to change the border of an element to Yxy 49.3503, 0.2265, 0.3287 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(26, 207, 207) }
```

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

```
.border{ border-color:rgb(26, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(26, 207,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3503, 0.2265, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 207, 207) }
```

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

```
.background{ background-color: rgb(26, 207,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor