

Converting Colors

$Y_{xy}(54.9450, 0.2246, 0.3256)$

Have a look what the booklet for
Yxy(54.9450, 0.2246, 0.3256)
contains.

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Color

Yxy(54.8503, 0.2247, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	10D9DB
RGB	16, 217, 219
RGB Percent	6%, 85%, 86%
CMY	0.9383, 0.1490, 0.1413
CMYK	0.93, 0.01, 0.00, 0.14
HSL	181°, 87%, 46%
HSV	181°, 93%, 86%
XYZ	37.8063, 54.8503, 75.5958
YIQ	157.1290, -120.4380, -41.9900

Conversions

Conversions Part 2

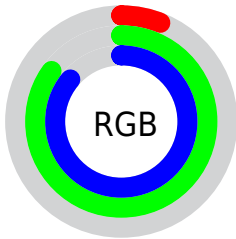
Format	Color
R _{YB}	16, 117, 219
Decimal	1104347
CIE Lab	78.95, -41.57, -13.38
CIE LCh	79, 43.673, 197.841
Yxy	54.8503, 0.2247, 0.3260
Android (android.graphics.Color)	4279294427 (0xFF10D9DB)
YUV	157.1290, 30.5024, -123.7701
Hunter-Lab	74.0610, -38.4868, -8.6760

Details

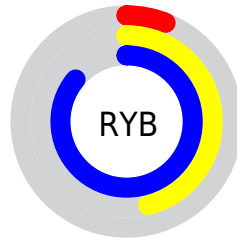
The Yxy color **54.8503, 0.2247, 0.3260** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.5162, 0.6286, 0.3305**, and the grayscale version is **33.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **28.1701, 0.2231, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **54.6660, 0.2238, 0.3258**, and if you desaturate by 10%, it is **55.2589, 0.2270, 0.3263**.

Distribution



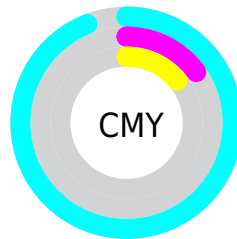
- Red (6%)
- Green (85%)
- Blue (86%)



- Red (6%)
- Yellow (46%)
- Blue (86%)



- Cyan (93%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)




- Cyan (94%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8503, 0.2247, 0.3260 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 54.8503, 0.2247, 0.3260 by changing the saturation by 10% instead.


 54.8503, 0.2247,
0.3260


 54.8503, 0.2247,
0.3260


 405.3442, 0.2662,
0.3288

 39.2819, 0.2152,
0.3249


 97.3216, 0.2392,
0.3273


 26.9791, 0.2033,
0.3234


 124.9932, 0.2448,
0.3277


 17.5575, 0.1884,
0.3211


 157.4681, 0.2496,
0.3280

 10.6328, 0.1691,
0.3174

 195.1306, 0.2538,
0.3283

 5.8205, 0.1432,
0.3109

 238.3650, 0.2574,
0.3285

 2.7362, 0.1078,
0.2987

 287.5558, 0.2607,

 0.9956, 0.0000,

0.3286

0.2896

343.0874, 0.2636,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 54.8503, 0.2247,
0.3260

■ 54.8503, 0.2247,
0.3260

■ 54.6660, 0.2238,
0.3258

■ 55.2589, 0.2270,
0.3263

■ 55.9094, 0.2310,
0.3266

■ 56.8412, 0.2370,
0.3270

■ 58.0855, 0.2448,
0.3273

■ 59.6693, 0.2546,
0.3277

■ 61.6168, 0.2661,
0.3280

■ 63.9498, 0.2790,
0.3283

■ 66.6885, 0.2932,
0.3286

■ 69.8518, 0.3083,
0.3289

Harmonies

Analogous

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



54.8503, 0.2628, 0.3849



54.8503, 0.2247, 0.3260



54.8503, 0.2094, 0.2754

Triad

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



54.8503, 0.2247, 0.3260



54.8503, 0.3002, 0.2513



54.8503, 0.4137, 0.4072

Complementary

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



54.8503, 0.2247, 0.3260



15.5162, 0.6286, 0.3305

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.



54.8503, 0.4282, 0.3661



54.8503, 0.2247, 0.3260



54.8503, 0.3593, 0.2807

Square

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



54.8503, 0.2247, 0.3260



54.8503, 0.2496, 0.2385



54.8503, 0.4081, 0.3212



54.8503, 0.3720, 0.4324

Rectangle

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



54.8503, 0.2247, 0.3260



54.8503, 0.2126, 0.2530



54.8503, 0.4081, 0.3212



54.8503, 0.4221, 0.3945

Sweetspot

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



54.8523, 0.2247, 0.3260



88.4410, 0.2718, 0.3281



50.7957, 0.3002, 0.5951



18.6367, 0.2663, 0.3280



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.



54.8523, 0.2247, 0.3260



77.1756, 0.2238, 0.3258



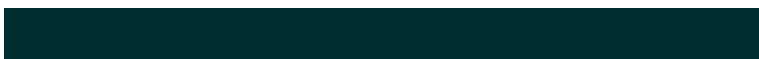
18.0268, 0.1815, 0.1687



14.8068, 0.2982, 0.3287



32.4320, 0.2238, 0.3258



2.1082, 0.2240, 0.3263

Inverse Universe

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



20.4296, 0.3231, 0.1575



28.3221, 0.3234, 0.1555



27.8989, 0.5283, 0.4128



13.2726, 0.3139, 0.3062



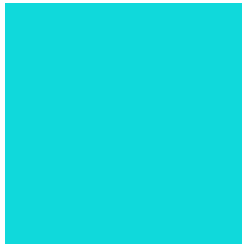
11.8978, 0.3233, 0.1555



0.7715, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 54.8503, 0.2247, 0.3260 looks on a white background.

Color Contrast Check

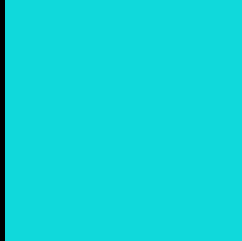
Large Text (above 18pt) WCAG AA × Fail

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 54.8503, 0.2247, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

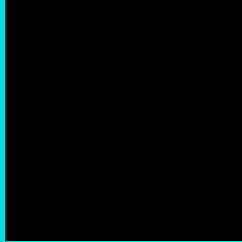
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8503, 0.2247, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 54.8503, 0.2247, 0.3260.

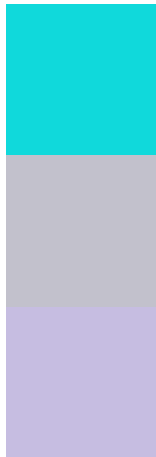


This preview shows how white text looks on a background with the Yxy color 54.8503, 0.2247, 0.3260.

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

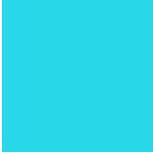
54.8503, 0.2247, 0.3260

Protanopia

53.9689, 0.3054, 0.3156

Deuteranopia

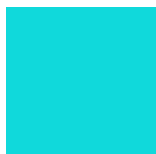
53.8372, 0.2935, 0.2869



Tritanopia

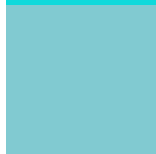
54.8782, 0.2214, 0.3058

Trichromacy



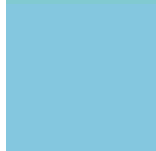
Original Color

54.8503, 0.2247, 0.3260



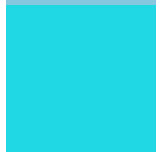
Protanomaly

51.5116, 0.2585, 0.3194



Deuteranomaly

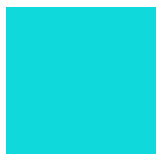
51.0801, 0.2519, 0.2974



Tritanomaly

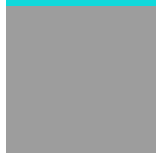
54.9491, 0.2226, 0.3137

Monochromacy



Original Color

54.8503, 0.2247, 0.3260



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.5997, 0.2569, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8503, 0.2247, 0.3260 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(16, 217, 219)` looks like.

```
.text, #text, p{  
    color:rgb(16, 217, 219)  
}
```

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(16, 217, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 217, 219) }
```

Border

The CSS property to change the border of an element to Yxy 54.8503, 0.2247, 0.3260 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(16, 217, 219) }
```

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

```
.border{ border-color:rgb(16, 217, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 217, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 217, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 217, 219);  
box-shadow:4px 4px 4px 4px rgb(16, 217,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8503, 0.2247, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 217, 219) }
```

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

```
.background{ background-color: rgb(16, 217,  
219) }
```

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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