

Converting Colors

$Y_{xy}(54.9465, 0.2363, 0.3654)$

Have a look what the booklet for
Yxy(54.9465, 0.2363, 0.3654)
contains.

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Color

Yxy(54.7287, 0.2362, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	16DBC2
RGB	22, 219, 194
RGB Percent	9%, 86%, 76%
CMY	0.9143, 0.1411, 0.2392
CMYK	0.90, 0.00, 0.11, 0.14
HSL	172°, 82%, 47%
HSV	172°, 90%, 86%
XYZ	35.3968, 54.7287, 59.7340
YIQ	157.2470, -109.3870, -49.5390

Conversions

Conversions Part 2

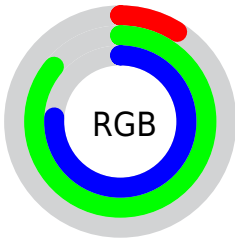
Format	Color
R_{YB}	22, 127, 219
Decimal	1498050
CIE _{Lab}	78.88, -49.25, -0.13
CIE _{LCh}	79, 49.254, 180.153
Yxy	54.7287, 0.2362, 0.3652
Android (android.graphics.Color)	4279688130 (0xFF16DBC2)
YUV	157.2470, 18.1192, -118.6116
Hunter-Lab	73.9788, -44.0557, 3.9117

Details

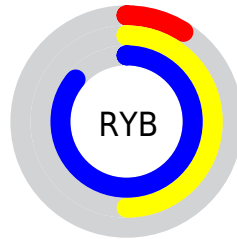
The Yxy color **54.7287, 0.2362, 0.3652** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.8337, 0.6003, 0.3167**, and the grayscale version is **33.7687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8669, 0.2440, 0.3346**, and **28.1175, 0.2365, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **54.4384, 0.2360, 0.3696**, and if you desaturate by 10%, it is **55.2180, 0.2379, 0.3608**.

Distribution



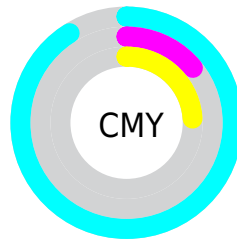
- Red (9%)
- Green (86%)
- Blue (76%)



- Red (9%)
- Yellow (50%)
- Blue (86%)



- Cyan (90%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)



- Cyan (91%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7287, 0.2362, 0.3652 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 54.7287, 0.2362, 0.3652 by changing the saturation by 10% instead.


 54.7287, 0.2362,
0.3652


 54.7287, 0.2362,
0.3652


404.8827, 0.2730,
0.3478


 39.1846, 0.2275,
0.3693


 97.1433, 0.2492,
0.3590


 26.9033, 0.2166,
0.3745


 124.7826, 0.2542,
0.3567


 17.5006, 0.2026,
0.3811


 157.2224, 0.2585,
0.3547

 10.5921, 0.1839,
0.3898

 194.8471, 0.2622,
0.3529

 5.7932, 0.1582,
0.4019

 238.0411, 0.2654,
0.3514

 2.7198, 0.1210,
0.4194

287.1887, 0.2682,

 0.9872, 0.0000,

0.3501

0.4764

342.6745, 0.2708,
0.3489

■ 0.0000, 0.0000,
0.0000

■ 54.7287, 0.2362,
0.3652

■ 54.7287, 0.2362,
0.3652

■ 54.4384, 0.2360,
0.3696

■ 55.2180, 0.2379,
0.3608

■ 55.9626, 0.2415,
0.3563

■ 57.0001, 0.2470,
0.3519

■ 58.3604, 0.2544,
0.3475

■ 60.0696, 0.2636,
0.3433

■ 62.1510, 0.2743,
0.3394

■ 64.6262, 0.2862,
0.3356

■ 67.5150, 0.2991,
0.3322

■ 70.8357, 0.3127,
0.3290

Harmonies

Analogous

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



54.7287, 0.2903, 0.4252



54.7287, 0.2362, 0.3652



54.7287, 0.2043, 0.2990

Triad

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



54.7287, 0.2362, 0.3652



54.7287, 0.2628, 0.2318



54.7287, 0.4402, 0.3890

Complementary

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



54.7287, 0.2362, 0.3652



15.8337, 0.6003, 0.3167

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.



54.7287, 0.4344, 0.3395



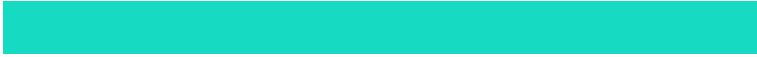
54.7287, 0.2362, 0.3652



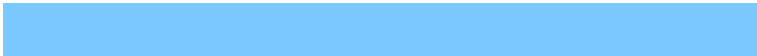
54.7287, 0.3253, 0.2541

Square

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



54.7287, 0.2362, 0.3652



54.7287, 0.2187, 0.2299



54.7287, 0.3905, 0.2921



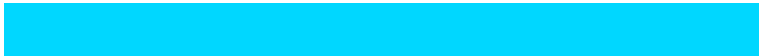
54.7287, 0.4091, 0.4308

Rectangle

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



54.7287, 0.2362, 0.3652



54.7287, 0.1977, 0.2646



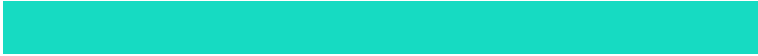
54.7287, 0.3905, 0.2921



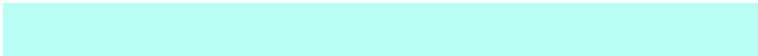
54.7287, 0.4428, 0.3727

Sweetspot

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



54.7308, 0.2362, 0.3652



88.6480, 0.2775, 0.3383



51.3562, 0.3058, 0.5882



18.7332, 0.2736, 0.3396



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.



54.7308, 0.2362, 0.3652



76.8289, 0.2361, 0.3700



26.0638, 0.1952, 0.2165



14.7997, 0.2999, 0.3320



32.2882, 0.2358, 0.3689



2.0999, 0.2338, 0.3617

Inverse Universe

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



15.8337, 0.6003, 0.3167



21.3662, 0.6270, 0.3228



23.1497, 0.5564, 0.3859



13.0783, 0.3272, 0.3261



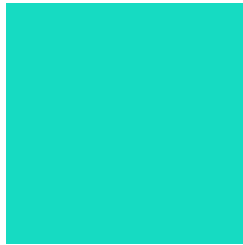
8.9878, 0.6232, 0.3207



0.5913, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 54.7287, 0.2362, 0.3652 looks on a white background.

Color Contrast Check

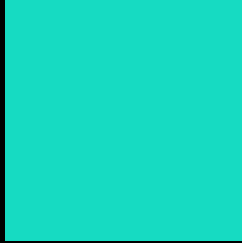
Large Text (above 18pt) WCAG AA × Fail

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 54.7287, 0.2362, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

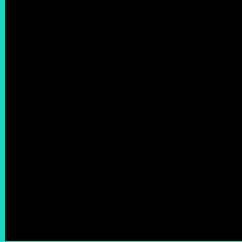
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

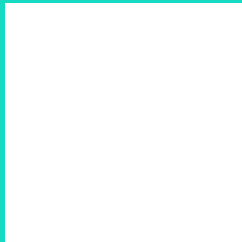
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7287, 0.2362, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 54.7287, 0.2362, 0.3652.

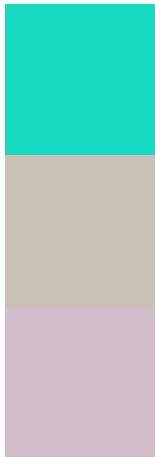


This preview shows how white text looks on a background with the Yxy color 54.7287, 0.2362, 0.3652.

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

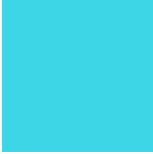
54.7287, 0.2362, 0.3652

Protanopia

53.7146, 0.3284, 0.3450

Deuteranopia

53.7388, 0.3200, 0.3137



Tritanopia

54.8233, 0.2251, 0.3059

Trichromacy



Original Color

54.7287, 0.2362, 0.3652



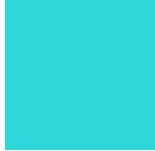
Protanomaly

50.8947, 0.2761, 0.3525



Deuteranomaly

50.5868, 0.2716, 0.3302



Tritanomaly

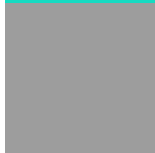
54.7545, 0.2282, 0.3260

Monochromacy



Original Color

54.7287, 0.2362, 0.3652



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.7329, 0.2647, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7287, 0.2362, 0.3652 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(22, 219, 194)` looks like.

```
.text, #text, p{  
    color:rgb(22, 219, 194)  
}
```

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(22, 219, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 219, 194) }
```

Border

The CSS property to change the border of an element to Yxy 54.7287, 0.2362, 0.3652 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(22, 219, 194) }
```

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

```
.border{ border-color:rgb(22, 219, 194) }
```

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

Here you see how a box with a 4 pixel rgb(22, 219, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 219, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 219, 194);  
box-shadow:4px 4px 4px 4px rgb(22, 219,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7287, 0.2362, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 219, 194) }
```

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

```
.background{ background-color: rgb(22, 219,  
194) }
```

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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