

Converting Colors

$Yxy(42.2211, 0.2464, 0.3963)$

Have a look what the booklet for
Yxy(42.2211, 0.2464, 0.3963)
contains.

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Color

Yxy(42.1270, 0.2461, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	1CC49C
RGB	28, 196, 156
RGB Percent	11%, 77%, 61%
CMY	0.8898, 0.2314, 0.3883
CMYK	0.86, 0.00, 0.20, 0.23
HSL	166°, 75%, 44%
HSV	166°, 86%, 77%
XYZ	26.2202, 42.1270, 38.1956
YIQ	141.2080, -87.2880, -48.0560

Conversions

Conversions Part 2

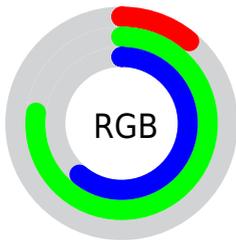
Format	Color
R_{YB}	28, 123, 196
Decimal	1885340
CIE _{Lab}	70.96, -49.33, 8.88
CIE _{LCh}	71, 50.124, 169.801
Yxy	42.1270, 0.2461, 0.3954
Android (android.graphics.Color)	4280075420 (0xFF1CC49C)
YUV	141.2080, 7.2925, -99.2834
Hunter-Lab	64.9053, -41.4746, 10.5427

Details

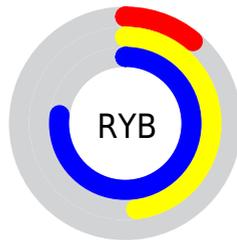
The Yxy color **42.1270, 0.2461, 0.3954** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9894, 0.5515, 0.2957**, and the grayscale version is **26.7290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6626, 0.2590, 0.3834**, and **20.0697, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **41.7801, 0.2463, 0.4042**, and if you desaturate by 10%, it is **42.6626, 0.2478, 0.3866**.

Distribution



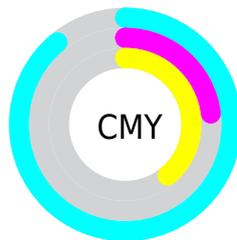
- Red (11%)
- Green (77%)
- Blue (61%)



- Red (11%)
- Yellow (48%)
- Blue (77%)



- Cyan (86%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)



- Cyan (89%)
- Magenta (23%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1270, 0.2461, 0.3954 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 42.1270, 0.2461, 0.3954 by changing the saturation by 10% instead.

 42.1270, 0.2461,
0.3954

 42.1270, 0.2461,
0.3954

355.0091, 0.2803,
0.3605

 29.2007, 0.2373,
0.4047

 78.3918, 0.2587,
0.3823

 19.2327, 0.2259,
0.4170

 102.4991, 0.2634,
0.3775

 11.8386, 0.2104,
0.4339

 131.1023, 0.2674,
0.3735

 6.6339, 0.1886,
0.4588

 164.5857, 0.2707,
0.3701

 3.2342, 0.1558,
0.4983

 203.3336, 0.2736,
0.3672

 1.2552, 0.0000,
0.6418

247.7306, 0.2761,

 0.1061, 0.0000,

0.3646

1.0000

298.1610, 0.2784,
0.3624

■ 0.0000, 0.0000,
0.0000

■ 42.1270, 0.2461,
0.3954

■ 42.1270, 0.2461,
0.3954

■ 41.7801, 0.2463,
0.4042

■ 42.6626, 0.2478,
0.3866

■ 41.6600, 0.2467,
0.4080

■ 43.4128, 0.2514,
0.3778

■ 44.4038, 0.2570,
0.3691

■ 45.6571, 0.2643,
0.3608

■ 47.1916, 0.2731,
0.3529

■ 49.0245, 0.2832,
0.3454

■ 51.1715, 0.2942,
0.3386

■ 53.6474, 0.3059,
0.3323

■ 56.4658, 0.3180,
0.3266

Harmonies

Analogous

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



42.1270, 0.3109, 0.4519



42.1270, 0.2461, 0.3954



42.1270, 0.2024, 0.3188

Triad

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



42.1270, 0.2461, 0.3954



42.1270, 0.2381, 0.2193



42.1270, 0.4567, 0.3748

Complementary

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



42.1270, 0.2461, 0.3954



12.9894, 0.5515, 0.2957

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.



42.1270, 0.4353, 0.3210



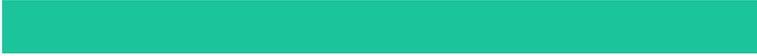
42.1270, 0.2461, 0.3954



42.1270, 0.3009, 0.2365

Square

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



42.1270, 0.2461, 0.3954



42.1270, 0.1992, 0.2252



42.1270, 0.3752, 0.2724



42.1270, 0.4342, 0.4258

Rectangle

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



42.1270, 0.2461, 0.3954



42.1270, 0.1889, 0.2751



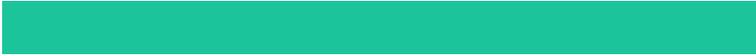
42.1270, 0.3752, 0.2724



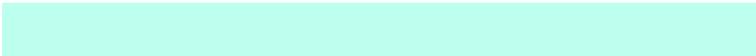
42.1270, 0.4547, 0.3567

Sweetspot

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



42.1286, 0.2461, 0.3954



88.5443, 0.2824, 0.3460



40.8695, 0.3159, 0.5743



18.6916, 0.2788, 0.3485



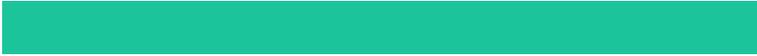
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1286, 0.2461, 0.3954



75.4255, 0.2470, 0.4093



27.3527, 0.2082, 0.2588



11.3861, 0.3015, 0.3345



26.7818, 0.2463, 0.4067



1.1673, 0.2409, 0.3872

Inverse Universe

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



12.9894, 0.5515, 0.2957



21.5944, 0.6011, 0.3085



16.2090, 0.5684, 0.3660



10.1164, 0.3252, 0.3235



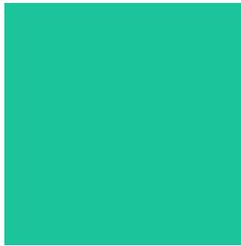
7.6825, 0.5942, 0.3047



0.3431, 0.5293, 0.2689

Previews

White Background



This preview shows how the Yxy color 42.1270, 0.2461, 0.3954 looks on a white background.

Color Contrast Check

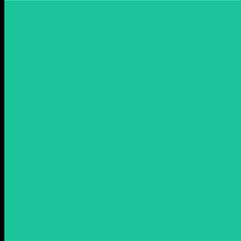
Large Text (above 18pt) WCAG AA × Fail

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 42.1270, 0.2461, 0.3954 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

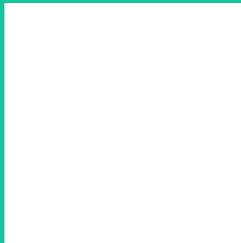
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1270, 0.2461, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 42.1270, 0.2461, 0.3954.

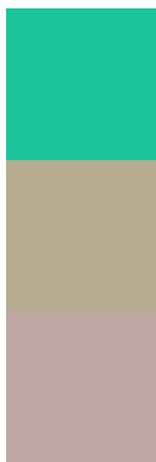


This preview shows how white text looks on a background with the Yxy color 42.1270, 0.2461, 0.3954.

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

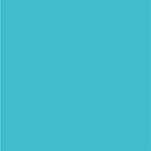
42.1270, 0.2461, 0.3954

Protanopia

41.4637, 0.3462, 0.3674

Deuteranopia

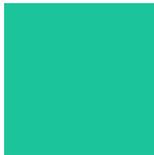
41.0875, 0.3409, 0.3343



Tritanopia

41.8930, 0.2280, 0.3049

Trichromacy



Original Color

42.1270, 0.2461, 0.3954



Protanomaly

39.6215, 0.2926, 0.3804



Deuteranomaly

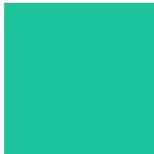
38.8879, 0.2882, 0.3549



Tritanomaly

41.9909, 0.2339, 0.3366

Monochromacy



Original Color

42.1270, 0.2461, 0.3954



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.2744, 0.2719, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1270, 0.2461, 0.3954 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(28, 196, 156)` looks like.

```
.text, #text, p{  
    color:rgb(28, 196, 156)  
}
```

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(28, 196, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 196, 156) }
```

Border

The CSS property to change the border of an element to Yxy 42.1270, 0.2461, 0.3954 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(28, 196, 156) }
```

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

```
.border{ border-color:rgb(28, 196, 156) }
```

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

Here you see how a box with a 4 pixel rgb(28, 196, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 196, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 196, 156);  
box-shadow:4px 4px 4px 4px rgb(28, 196,  
156) }
```

Background

The CSS property to change the background color of an element to Yxy 42.1270, 0.2461, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 196, 156) }
```

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

```
.background{ background-color: rgb(28, 196,  
156) }
```

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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