

Converting Colors

$Yxy(42.5337, 0.2296, 0.3366)$

Have a look what the booklet for
Yxy(42.5337, 0.2296, 0.3366)
contains.

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Color

Yxy(42.5337, 0.2296, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	1EC2BD
RGB	30, 194, 189
RGB Percent	12%, 76%, 74%
CMY	0.8820, 0.2392, 0.2589
CMYK	0.84, 0.00, 0.03, 0.24
HSL	178°, 73%, 44%
HSV	178°, 84%, 76%
XYZ	29.0129, 42.5337, 54.8162
YIQ	144.3940, -96.1390, -36.3230

Conversions

Conversions Part 2

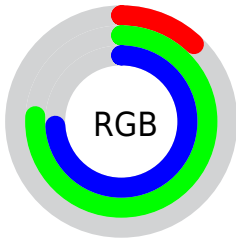
Format	Color
RYB	30, 113, 194
Decimal	2015933
CIELab	71.24, -39.37, -8.69
CIELCh	71, 40.315, 192.454
Yxy	42.5337, 0.2296, 0.3366
Android (android.graphics.Color)	4280206013 (0xFF1EC2BD)
YUV	144.3940, 21.9908, -100.3235
Hunter-Lab	65.2179, -34.7236, -4.1812

Details

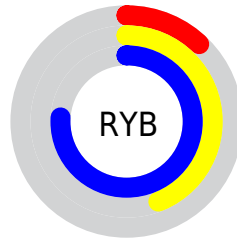
The Yxy color **42.5337, 0.2296, 0.3366** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **12.5249, 0.6003, 0.3266**, and the grayscale version is **28.0073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9019, 0.2444, 0.3359**, and **20.5337, 0.2270, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **42.3012, 0.2278, 0.3376**, and if you desaturate by 10%, it is **42.9490, 0.2331, 0.3356**.

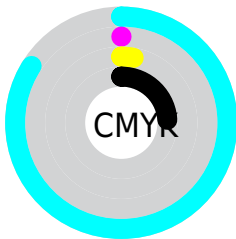
Distribution



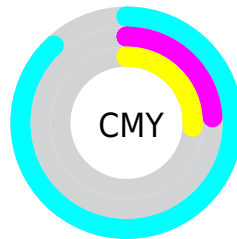
- Red (12%)
- Green (76%)
- Blue (74%)



- Red (12%)
- Yellow (44%)
- Blue (76%)



- Cyan (84%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)





- Cyan (88%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5337, 0.2296, 0.3366 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 42.5337, 0.2296, 0.3366 by changing the saturation by 10% instead.


 42.5337, 0.2296,
0.3366

 42.5337, 0.2296,
0.3366


356.6906, 0.2707,
0.3338


 29.5194, 0.2195,
0.3369


 79.0067, 0.2444,
0.3359


 19.4741, 0.2068,
0.3372


 103.2343, 0.2500,
0.3355

 12.0134, 0.1902,
0.3370


 131.9683, 0.2548,
0.3352

 6.7528, 0.1677,
0.3361

 165.5933, 0.2589,
0.3349

 3.3080, 0.1361,
0.3331

 204.4937, 0.2624,
0.3346

 1.2946, 0.0573,
0.3352

249.0537, 0.2655,


 0.1370, 0.0000,


0.3343


0.1532

299.6579, 0.2683,
0.3341


 0.0000, 0.0000,
0.0000


 42.5337, 0.2296,
0.3366


 42.5337, 0.2296,
0.3366


 42.3012, 0.2278,
0.3376


 42.9490, 0.2331,
0.3356

 42.2180, 0.2273,
0.3381

 43.5710, 0.2385,
0.3346

 44.4248, 0.2458,
0.3336

 45.5309, 0.2549,
0.3327

 46.9074, 0.2657,
0.3318

■ 48.5710, 0.2780,
0.3309

■ 50.5367, 0.2915,
0.3301

■ 52.8186, 0.3060,
0.3293

■ 55.4301, 0.3211,
0.3286

Harmonies

Analogous

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



42.5337, 0.2715, 0.3947



42.5337, 0.2296, 0.3366



42.5337, 0.2100, 0.2828

Triad

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



42.5337, 0.2296, 0.3366



42.5337, 0.2899, 0.2473



42.5337, 0.4191, 0.4008

Complementary

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



42.5337, 0.2296, 0.3366



12.5249, 0.6003, 0.3266

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.



42.5337, 0.4277, 0.3581



42.5337, 0.2296, 0.3366



42.5337, 0.3489, 0.2742

Square

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



42.5337, 0.2296, 0.3366



42.5337, 0.2421, 0.2378



42.5337, 0.4014, 0.3133



42.5337, 0.3812, 0.4303

Rectangle

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



42.5337, 0.2296, 0.3366



42.5337, 0.2103, 0.2577



42.5337, 0.4014, 0.3133



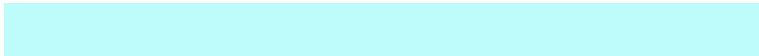
42.5337, 0.4257, 0.3874

Sweetspot

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



42.5353, 0.2296, 0.3366



87.7005, 0.2768, 0.3310



39.0457, 0.3021, 0.5829



18.9593, 0.2723, 0.3313



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.



42.5353, 0.2296, 0.3366



76.4796, 0.2273, 0.3383



17.0147, 0.1916, 0.1952



11.4230, 0.2988, 0.3297



27.7589, 0.2272, 0.3380



1.2011, 0.2266, 0.3358

Inverse Universe

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



12.5249, 0.6003, 0.3266



20.7965, 0.6379, 0.3288



21.9928, 0.5157, 0.4095



10.0828, 0.3284, 0.3283



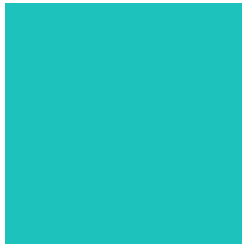
7.5515, 0.6363, 0.3279



0.3280, 0.6224, 0.3202

Previews

White Background



This preview shows how the Yxy color 42.5337, 0.2296, 0.3366 looks on a white background.

Color Contrast Check

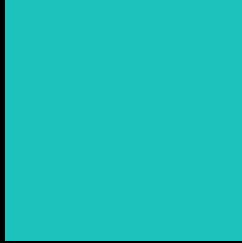
Large Text (above 18pt) WCAG AA × Fail

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 42.5337, 0.2296, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

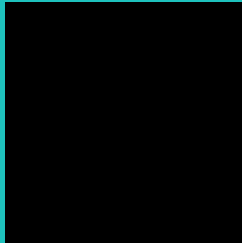
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

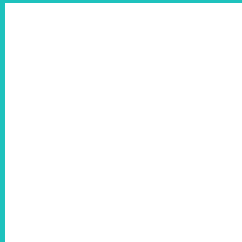
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5337, 0.2296, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 42.5337, 0.2296, 0.3366.

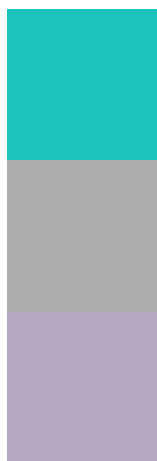


This preview shows how white text looks on a background with the Yxy color 42.5337, 0.2296, 0.3366.

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

42.5337, 0.2296, 0.3366

Protanopia

41.7536, 0.3121, 0.3236

Deuteranopia

41.6487, 0.3011, 0.2938



Tritanopia

42.3950, 0.2237, 0.3048

Trichromacy



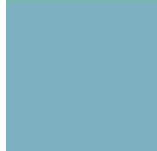
Original Color

42.5337, 0.2296, 0.3366



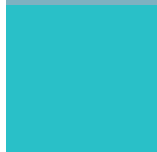
Protanomaly

40.1163, 0.2668, 0.3274



Deuteranomaly

39.6545, 0.2605, 0.3055



Tritanomaly

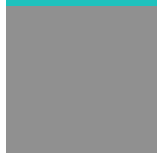
42.3408, 0.2257, 0.3166

Monochromacy



Original Color

42.5337, 0.2296, 0.3366



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.2623, 0.2642, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5337, 0.2296, 0.3366 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(30, 194, 189)` looks like.

```
.text, #text, p{  
    color:rgb(30, 194, 189)  
}
```

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(30, 194, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 194, 189) }
```

Border

The CSS property to change the border of an element to Yxy 42.5337, 0.2296, 0.3366 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(30, 194, 189) }
```

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

```
.border{ border-color:rgb(30, 194, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 194, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(30, 194,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5337, 0.2296, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 194, 189) }
```

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

```
.background{ background-color: rgb(30, 194,  
189) }
```

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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