

Converting Colors

Yxy(48.4855, 0.2391, 0.3752)

Have a look what the booklet for
Yxy(48.4855, 0.2391, 0.3752)
contains.

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Color

Yxy(48.4855, 0.2391, 0.3752)

Conversions

Conversions Part 1	
Format	Color
Hex	15D0B2
RGB	21, 208, 178
RGB Percent	8%, 82%, 70%
CMY	0.9181, 0.1843, 0.3020
CMYK	0.90, 0.00, 0.14, 0.18
HSL	170°, 82%, 45%
HSV	170°, 90%, 82%
XYZ	30.8979, 48.4855, 49.8424
YIQ	148.6670, -101.8220, -48.9740

Conversions

Conversions Part 2

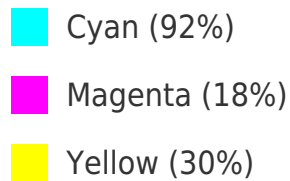
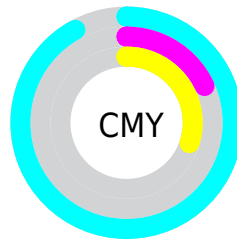
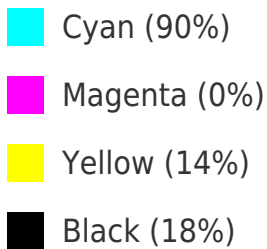
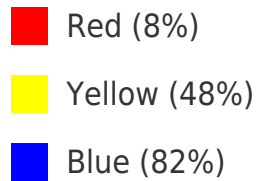
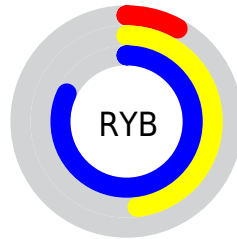
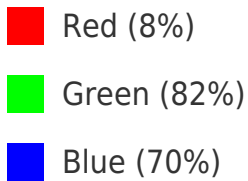
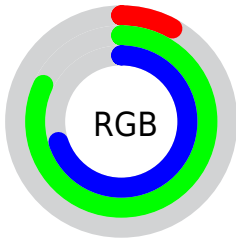
Format	Color
RYB	21, 123, 208
Decimal	1429682
CIELab	75.13, -49.01, 2.98
CIELCh	75, 49.098, 176.517
Yxy	48.4855, 0.2391, 0.3752
Android (android.graphics.Color)	4279619762 (0xFF15D0B2)
YUV	148.6670, 14.4612, -111.9640
Hunter-Lab	69.6315, -42.6487, 6.3022

Details

The Yxy color **48.4855, 0.2391, 0.3752** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.1815, 0.5907, 0.3117**, and the grayscale version is **29.8646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7117, 0.2496, 0.3539**, and **23.9371, 0.2404, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **48.1973, 0.2391, 0.3809**, and if you desaturate by 10%, it is **48.9506, 0.2406, 0.3695**.

Distribution





Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4855, 0.2391, 0.3752 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 48.4855, 0.2391, 0.3752 by changing the saturation by 10% instead.


 48.4855, 0.2391,
0.3752

 48.4855, 0.2391,
0.3752


 380.7133, 0.2755,
0.3521


 34.2115, 0.2302,
0.3810


 87.9268, 0.2522,
0.3668


 23.0561, 0.2189,
0.3884


 113.8630, 0.2572,
0.3636


 14.6350, 0.2041,
0.3981


 144.4553, 0.2614,
0.3610

 8.5636, 0.1840,
0.4117

 180.0882, 0.2650,
0.3587

 4.4577, 0.1554,
0.4316

 221.1460, 0.2681,
0.3567

 1.9327, 0.0965,
0.4713

268.0132, 0.2709,


 0.5679, 0.0000,


0.3550


0.5808


321.0742, 0.2733,
0.3534


 0.0000, 0.0000,
0.0000

 48.4855, 0.2391,
0.3752


 48.4855, 0.2391,
0.3752


 48.1973, 0.2391,
0.3809

 48.9506, 0.2406,
0.3695


 48.1961, 0.2391,
0.3809

 49.6439, 0.2440,
0.3637


 50.5984, 0.2493,
0.3581

 51.8404, 0.2565,
0.3525

 53.3927, 0.2654,
0.3472

 55.2761, 0.2757,
0.3421

 57.5094, 0.2873,
0.3374

 60.1101, 0.2997,
0.3330

 63.0945, 0.3128,
0.3290

Harmonies

Analogous

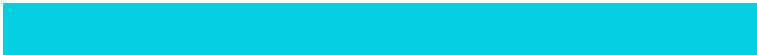
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.4855, 0.2970, 0.4347



48.4855, 0.2391, 0.3752



48.4855, 0.2032, 0.3052

Triad

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



48.4855, 0.2391, 0.3752



48.4855, 0.2542, 0.2273



48.4855, 0.4463, 0.3845

Complementary

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



48.4855, 0.2391, 0.3752



14.1815, 0.5907, 0.3117

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.



48.4855, 0.4354, 0.3333



48.4855, 0.2391, 0.3752



48.4855, 0.3172, 0.2479

Square

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



48.4855, 0.2391, 0.3752



48.4855, 0.2117, 0.2279



48.4855, 0.3859, 0.2853



48.4855, 0.4178, 0.4297

Rectangle

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



48.4855, 0.2391, 0.3752



48.4855, 0.1943, 0.2677



48.4855, 0.3859, 0.2853



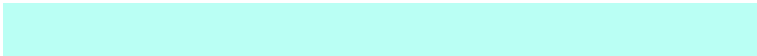
48.4855, 0.4474, 0.3675

Sweetspot

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



48.4874, 0.2391, 0.3752



88.5068, 0.2787, 0.3408



45.9011, 0.3079, 0.5862



18.6994, 0.2748, 0.3425



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.



48.4874, 0.2391, 0.3752



76.3796, 0.2393, 0.3815



25.1582, 0.1984, 0.2278



13.3731, 0.3004, 0.3327



30.0482, 0.2389, 0.3801



1.6890, 0.2360, 0.3696

Inverse Universe

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



14.1815, 0.5907, 0.3117



21.4195, 0.6207, 0.3193



19.6916, 0.5636, 0.3793



11.8387, 0.3266, 0.3253



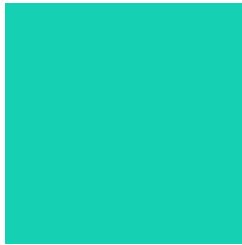
8.4369, 0.6158, 0.3166



0.4817, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 48.4855, 0.2391, 0.3752 looks on a white background.

Color Contrast Check

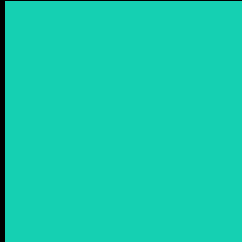
Large Text (above 18pt) WCAG AA × Fail

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 48.4855, 0.2391, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

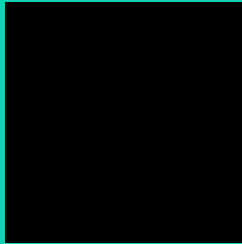
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

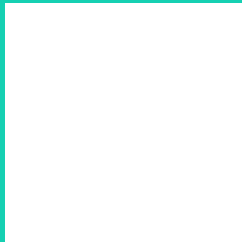
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4855, 0.2391, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 48.4855, 0.2391, 0.3752.



This preview shows how white text looks on a background with the Yxy color 48.4855, 0.2391, 0.3752.

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

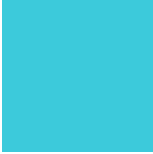
48.4855, 0.2391, 0.3752

Protanopia

47.6237, 0.3350, 0.3536

Deuteranopia

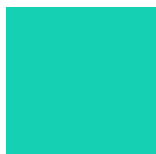
47.6229, 0.3262, 0.3204



Tritanopia

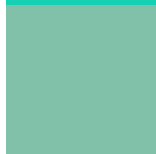
48.3162, 0.2256, 0.3047

Trichromacy



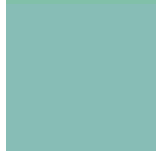
Original Color

48.4855, 0.2391, 0.3752



Protanomaly

45.2310, 0.2812, 0.3627



Deuteranomaly

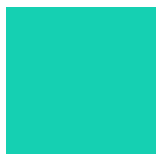
44.9235, 0.2764, 0.3389



Tritanomaly

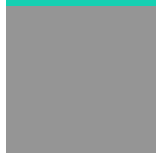
48.1262, 0.2297, 0.3288

Monochromacy



Original Color

48.4855, 0.2391, 0.3752



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.1123, 0.2652, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4855, 0.2391, 0.3752 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(21, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(21, 208, 178)  
}
```

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(21, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 208, 178) }
```

Border

The CSS property to change the border of an element to Yxy 48.4855, 0.2391, 0.3752 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(21, 208, 178) }
```

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

```
.border{ border-color:rgb(21, 208, 178) }
```

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

Here you see how a box with a 4 pixel rgb(21, 208, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(21, 208,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4855, 0.2391, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 208, 178) }
```

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

```
.background{ background-color: rgb(21, 208,  
178) }
```

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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