

Converting Colors

$Yxy(48.0787, 0.2455, 0.3752)$

Have a look what the booklet for
Yxy(48.0787, 0.2455, 0.3752)
contains.

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Color

Yxy(48.0894, 0.2454, 0.3749)

Conversions

Conversions Part 1

Format	Color
Hex	37CEB0
RGB	55, 206, 176
RGB Percent	22%, 81%, 69%
CMY	0.7849, 0.1921, 0.3097
CMYK	0.73, 0.00, 0.15, 0.19
HSL	168°, 61%, 51%
HSV	168°, 73%, 81%
XYZ	31.4781, 48.0894, 48.7051
YIQ	157.4310, -80.3660, -41.3420

Conversions

Conversions Part 2

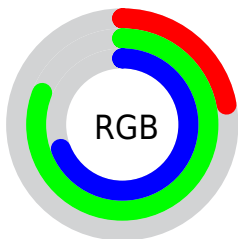
Format	Color
RYB	55, 139, 206
Decimal	3657392
CIELab	74.88, -45.80, 3.74
CIELCh	75, 45.948, 175.337
Yxy	48.0894, 0.2454, 0.3749
Android (android.graphics.Color)	4281847472 (0xFF37CEB0)
YUV	157.4310, 9.1545, -89.8320
Hunter-Lab	69.3465, -40.3309, 6.9006

Details

The Yxy color **48.0894, 0.2454, 0.3749** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.4950, 0.5155, 0.2989**, and the grayscale version is **33.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5571, 0.2554, 0.3561**, and **23.5885, 0.2405, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **47.4682, 0.2430, 0.3821**, and if you desaturate by 10%, it is **48.9617, 0.2498, 0.3677**.

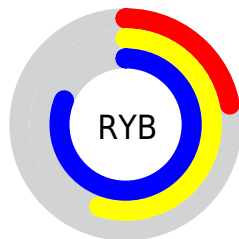
Distribution



Red (22%)

Green (81%)

Blue (69%)



Red (22%)

Yellow (55%)

Blue (81%)

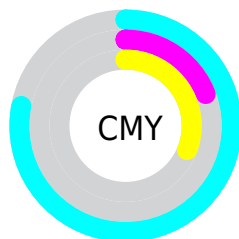


Cyan (73%)

Magenta (0%)

Yellow (15%)

Black (19%)



Cyan (78%)


Magenta (19%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0894, 0.2454, 0.3749 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 48.0894, 0.2454, 0.3749 by changing the saturation by 10% instead.


 48.0894, 0.2454,
0.3749


 48.0894, 0.2454,
0.3749


379.1464, 0.2788,
0.3518

 33.8977, 0.2372,
0.3807


 87.3375, 0.2575,
0.3665


 22.8150, 0.2267,
0.3882


 113.1627, 0.2620,
0.3633


 14.4570, 0.2129,
0.3982


 143.6345, 0.2659,
0.3606

 8.4392, 0.1940,
0.4121

 179.1373, 0.2692,
0.3583

 4.3772, 0.1668,
0.4329

 220.0554, 0.2721,
0.3564

 1.8867, 0.1124,
0.4733

266.7734, 0.2746,

 0.5404, 0.0000,

0.3546

0.6228

319.6756, 0.2768,
0.3531

0.0000, 0.0000,
0.0000

48.0894, 0.2454,
0.3749

48.0894, 0.2454,
0.3749

47.4682, 0.2430,
0.3821

48.9617, 0.2498,
0.3677

47.0598, 0.2424,
0.3893

50.1064, 0.2561,
0.3607

46.8695, 0.2428,
0.3941

51.5489, 0.2641,
0.3539

53.3100, 0.2736,
0.3474

55.4088, 0.2844,
0.3413

■ 57.8627, 0.2961,
0.3357

■ 60.6880, 0.3084,
0.3306

■ 63.9001, 0.3212,
0.3260

■ 67.5132, 0.3341,
0.3219

Harmonies

Analogous

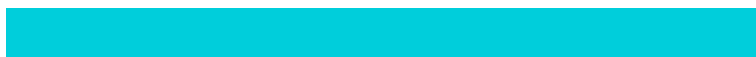
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0894, 0.3008, 0.4290



48.0894, 0.2454, 0.3749



48.0894, 0.2102, 0.3095

Triad

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



48.0894, 0.2454, 0.3749



48.0894, 0.2557, 0.2323



48.0894, 0.4388, 0.3803

Complementary

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



48.0894, 0.2454, 0.3749



16.4950, 0.5155, 0.2989

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.



48.0894, 0.4266, 0.3318



48.0894, 0.2454, 0.3749



48.0894, 0.3146, 0.2511

Square

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



48.0894, 0.2454, 0.3749



48.0894, 0.2161, 0.2340



48.0894, 0.3791, 0.2863



48.0894, 0.4137, 0.4230

Rectangle

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



48.0894, 0.2454, 0.3749



48.0894, 0.2008, 0.2735



48.0894, 0.3791, 0.2863



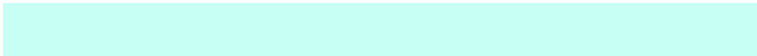
48.0894, 0.4391, 0.3643

Sweetspot

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



48.0913, 0.2454, 0.3749



90.1721, 0.2856, 0.3407



46.3576, 0.3156, 0.5518



19.0850, 0.2825, 0.3423



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.



48.0913, 0.2454, 0.3749



76.4819, 0.2424, 0.3863



30.6368, 0.2134, 0.2574



12.6874, 0.3009, 0.3336



28.8712, 0.2425, 0.3930



1.4994, 0.2386, 0.3790

Inverse Universe

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



16.4950, 0.5155, 0.2989



22.7290, 0.5769, 0.3050



22.5503, 0.5154, 0.3784



11.2495, 0.3259, 0.3244



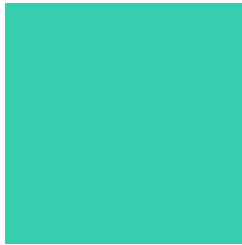
8.1892, 0.6062, 0.3113



0.4335, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 48.0894, 0.2454, 0.3749 looks on a white background.

Color Contrast Check

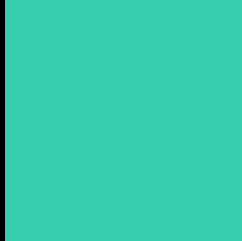
Large Text (above 18pt) WCAG AA × Fail

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 48.0894, 0.2454, 0.3749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

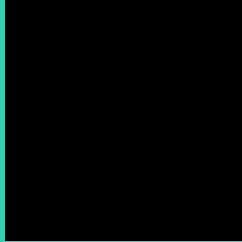
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

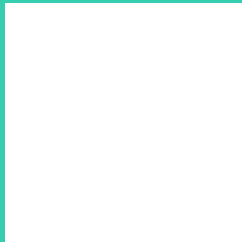
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0894, 0.2454, 0.3749

Background



This preview shows how black text looks on a background with the Yxy color 48.0894, 0.2454, 0.3749.



This preview shows how white text looks on a background with the Yxy color 48.0894, 0.2454, 0.3749.

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

48.0894, 0.2454, 0.3749

Protanopia

47.1766, 0.3360, 0.3537

Deuteranopia

47.1010, 0.3289, 0.3228



Tritanopia

47.8961, 0.2307, 0.3048

Trichromacy



Original Color

48.0894, 0.2454, 0.3749



Protanomaly

45.7515, 0.2903, 0.3620



Deuteranomaly

45.4648, 0.2862, 0.3402



Tritanomaly

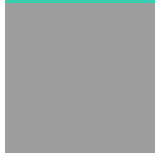
47.7705, 0.2356, 0.3288

Monochromacy



Original Color

48.0894, 0.2454, 0.3749



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.3333, 0.2760, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0894, 0.2454, 0.3749 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(55, 206, 176)` looks like.

```
.text, #text, p{  
    color:rgb(55, 206, 176)  
}
```

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(55, 206, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 206, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.0894, 0.2454, 0.3749 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(55, 206, 176) }
```

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

```
.border{ border-color:rgb(55, 206, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 206, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 206, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 206, 176); box-shadow:4px 4px 4px 4px rgb(55, 206, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0894, 0.2454, 0.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 206, 176) }
```

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

```
.background{ background-color: rgb(55, 206,  
176) }
```

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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