

Converting Colors

$Yxy(45.1025, 0.2467, 0.3753)$

Have a look what the booklet for
Yxy(45.1025, 0.2467, 0.3753)
contains.

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Color

Yxy(45.1187, 0.2464, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	39C8AB
RGB	57, 200, 171
RGB Percent	22%, 78%, 67%
CMY	0.7771, 0.2156, 0.3294
CMYK	0.72, 0.00, 0.15, 0.22
HSL	168°, 57%, 50%
HSV	168°, 72%, 78%
XYZ	29.6856, 45.1187, 45.6729
YIQ	153.9370, -75.9190, -39.3350

Conversions

Conversions Part 2

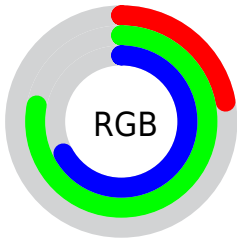
Format	Color
RYB	57, 137, 200
Decimal	3786923
CIELab	72.97, -44.25, 3.68
CIELCh	73, 44.405, 175.243
Yxy	45.1187, 0.2464, 0.3745
Android (android.graphics.Color)	4281977003 (0xFF39C8AB)
YUV	153.9370, 8.4121, -85.0137
Hunter-Lab	67.1705, -38.6613, 6.7048

Details

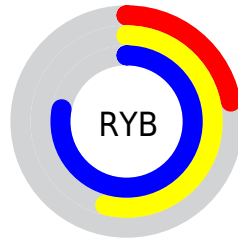
The Yxy color **45.1187, 0.2464, 0.3745** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.8617, 0.5064, 0.2980**, and the grayscale version is **32.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2219, 0.2580, 0.3635**, and **21.5827, 0.2405, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **44.4934, 0.2436, 0.3819**, and if you desaturate by 10%, it is **45.9835, 0.2511, 0.3672**.

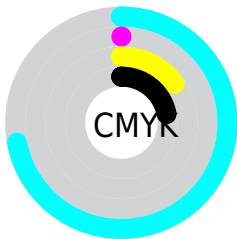
Distribution



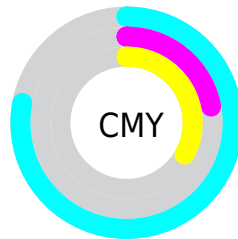
- Red (22%)
- Green (78%)
- Blue (67%)



- Red (22%)
- Yellow (54%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (78%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1187, 0.2464, 0.3745 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 45.1187, 0.2464, 0.3745 by changing the saturation by 10% instead.


 45.1187, 0.2464,
0.3745

 45.1187, 0.2464,
0.3745


367.2541, 0.2797,
0.3513

 31.5509, 0.2381,
0.3804


 82.8985, 0.2585,
0.3660


 21.0187, 0.2274,
0.3881


 107.8793, 0.2630,
0.3628


 13.1377, 0.2133,
0.3984

 137.4333, 0.2669,
0.3601

 7.5234, 0.1938,
0.4129

 171.9448, 0.2702,
0.3579

 3.7915, 0.1652,
0.4349

 211.7982, 0.2730,
0.3559

 1.5577, 0.0892,
0.4883

257.3780, 0.2755,

 0.3288, 0.0000,

0.3542

0.7658

309.0685, 0.2777,
0.3527

0.0000, 0.0000,
0.0000

45.1187, 0.2464,
0.3745

45.1187, 0.2464,
0.3745

44.4934, 0.2436,
0.3819

45.9835, 0.2511,
0.3672

44.0731, 0.2428,
0.3893

47.1069, 0.2577,
0.3600

43.8348, 0.2432,
0.3954

48.5118, 0.2660,
0.3531

50.2175, 0.2757,
0.3466

52.2413, 0.2866,
0.3405

■ 54.5992, 0.2984,
0.3349

■ 57.3063, 0.3107,
0.3298

■ 60.3765, 0.3234,
0.3251

■ 63.8231, 0.3363,
0.3210

Harmonies

Analogous

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



45.1187, 0.3012, 0.4277



45.1187, 0.2464, 0.3745



45.1187, 0.2114, 0.3100

Triad

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



45.1187, 0.2464, 0.3745



45.1187, 0.2563, 0.2333



45.1187, 0.4372, 0.3797

Complementary

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



45.1187, 0.2464, 0.3745



15.8617, 0.5064, 0.2980

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.



45.1187, 0.4251, 0.3317



45.1187, 0.2464, 0.3745



45.1187, 0.3144, 0.2519

Square

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



45.1187, 0.2464, 0.3745



45.1187, 0.2171, 0.2352



45.1187, 0.3781, 0.2867



45.1187, 0.4127, 0.4219

Rectangle

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



45.1187, 0.2464, 0.3745



45.1187, 0.2021, 0.2744



45.1187, 0.3781, 0.2867



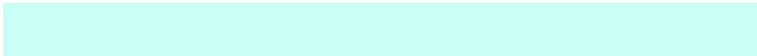
45.1187, 0.4375, 0.3639

Sweetspot

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



45.1205, 0.2464, 0.3745



90.5407, 0.2869, 0.3404



43.6767, 0.3175, 0.5458



19.1562, 0.2837, 0.3420



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.



45.1205, 0.2464, 0.3745



76.5709, 0.2429, 0.3861



29.9870, 0.2162, 0.2637



12.0293, 0.3010, 0.3337



27.8807, 0.2429, 0.3944



1.3298, 0.2387, 0.3791

Inverse Universe

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



15.8617, 0.5064, 0.2980



23.0849, 0.5685, 0.3030



21.2003, 0.5111, 0.3753



10.6715, 0.3258, 0.3243



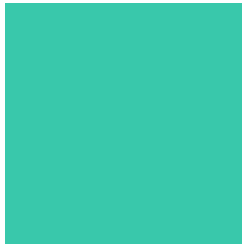
7.9179, 0.6048, 0.3105



0.3855, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 45.1187, 0.2464, 0.3745 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 45.1187, 0.2464, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

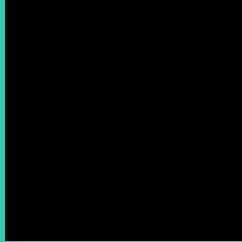
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

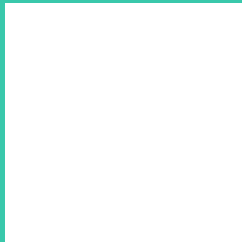
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1187, 0.2464, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 45.1187, 0.2464, 0.3745.

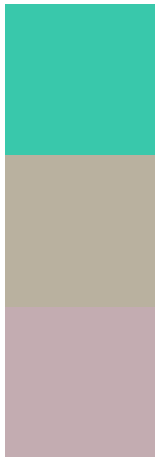


This preview shows how white text looks on a background with the Yxy color 45.1187, 0.2464, 0.3745.

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

45.1187, 0.2464, 0.3745

Protanopia

44.2618, 0.3349, 0.3530

Deuteranopia

44.2815, 0.3293, 0.3227



Tritanopia

44.8145, 0.2318, 0.3056

Trichromacy



Original Color

45.1187, 0.2464, 0.3745



Protanomaly

42.7455, 0.2912, 0.3614



Deuteranomaly

42.5708, 0.2878, 0.3390



Tritanomaly

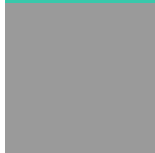
44.7675, 0.2367, 0.3288

Monochromacy



Original Color

45.1187, 0.2464, 0.3745



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.5858, 0.2776, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1187, 0.2464, 0.3745 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(57, 200, 171)` looks like.

```
.text, #text, p{  
    color:rgb(57, 200, 171)  
}
```

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(57, 200, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 200, 171) }
```

Border

The CSS property to change the border of an element to Yxy 45.1187, 0.2464, 0.3745 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(57, 200, 171) }
```

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

```
.border{ border-color:rgb(57, 200, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 200, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 200, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 200, 171);  
box-shadow:4px 4px 4px 4px rgb(57, 200,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1187, 0.2464, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 200, 171) }
```

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

```
.background{ background-color: rgb(57, 200,  
171) }
```

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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