

Converting Colors

$Yxy(45.1644, 0.2494, 0.3798)$

Have a look what the booklet for
Yxy(45.1644, 0.2494, 0.3798)
contains.

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Color

Yxy(45.1278, 0.2492, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	3DC8A8
RGB	61, 200, 168
RGB Percent	24%, 78%, 66%
CMY	0.7606, 0.2157, 0.3411
CMYK	0.69, 0.00, 0.16, 0.22
HSL	166°, 56%, 51%
HSV	166°, 69%, 78%
XYZ	29.6490, 45.1278, 44.1998
YIQ	154.7910, -72.5720, -39.4200

Conversions

Conversions Part 2

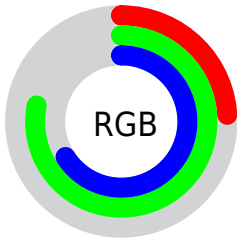
Format	Color
RYB	61, 140, 200
Decimal	4049064
CIELab	72.98, -44.42, 5.32
CIELCh	73, 44.735, 173.170
Yxy	45.1278, 0.2492, 0.3793
Android (android.graphics.Color)	4282239144 (0xFF3DC8A8)
YUV	154.7910, 6.5120, -82.2547
Hunter-Lab	67.1772, -38.7784, 8.0137

Details

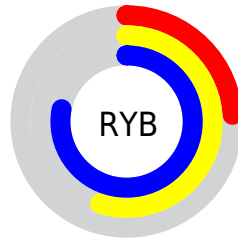
The Yxy color **45.1278, 0.2492, 0.3793** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.4115, 0.4908, 0.2933**, and the grayscale version is **32.6813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2833, 0.2605, 0.3671**, and **21.5118, 0.2425, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **44.4399, 0.2462, 0.3878**, and if you desaturate by 10%, it is **46.0619, 0.2541, 0.3709**.

Distribution



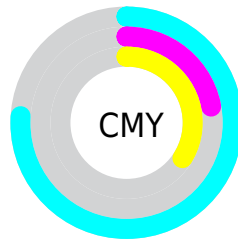
- Red (24%)
- Green (78%)
- Blue (66%)



- Red (24%)
- Yellow (55%)
- Blue (78%)



- Cyan (69%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)




- Cyan (76%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1278, 0.2492, 0.3793 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 45.1278, 0.2492, 0.3793 by changing the saturation by 10% instead.


 45.1278, 0.2492,
0.3793


 45.1278, 0.2492,
0.3793


367.2909, 0.2812,
0.3535

 31.5581, 0.2412,
0.3860


 82.9122, 0.2609,
0.3698


 21.0242, 0.2308,
0.3946


 107.8956, 0.2652,
0.3662


 13.1417, 0.2171,
0.4063


 137.4524, 0.2689,
0.3633

 7.5262, 0.1980,
0.4231

 171.9670, 0.2721,
0.3607

 3.7933, 0.1698,
0.4487

 211.8238, 0.2748,
0.3585

 1.5586, 0.0921,
0.5110

257.4071, 0.2772,

 0.3295, 0.0000,

0.3566

1.0000

309.1013, 0.2793,
0.3550

■ 0.0000, 0.0000,
0.0000

■ 45.1278, 0.2492,
0.3793

■ 45.1278, 0.2492,
0.3793

■ 44.4399, 0.2462,
0.3878

■ 46.0619, 0.2541,
0.3709

■ 43.9650, 0.2452,
0.3963

■ 47.2606, 0.2608,
0.3627

■ 43.6552, 0.2458,
0.4047

■ 48.7464, 0.2692,
0.3549

■ 43.6406, 0.2459,
0.4052

■ 50.5379, 0.2789,
0.3476

■ 52.6525, 0.2897,
0.3407

■ 55.1057, 0.3013,
0.3344

■ 57.9125, 0.3134,
0.3287

■ 61.0867, 0.3257,
0.3236

■ 64.6414, 0.3381,
0.3190

Harmonies

Analogous

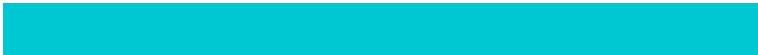
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1278, 0.3053, 0.4310



45.1278, 0.2492, 0.3793



45.1278, 0.2124, 0.3140

Triad

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



45.1278, 0.2492, 0.3793



45.1278, 0.2524, 0.2321



45.1278, 0.4385, 0.3767

Complementary

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



45.1278, 0.2492, 0.3793



16.4115, 0.4908, 0.2933

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.



45.1278, 0.4236, 0.3283



45.1278, 0.2492, 0.3793



45.1278, 0.3100, 0.2495

Square

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



45.1278, 0.2492, 0.3793



45.1278, 0.2146, 0.2355



45.1278, 0.3744, 0.2836



45.1278, 0.4160, 0.4200

Rectangle

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



45.1278, 0.2492, 0.3793



45.1278, 0.2018, 0.2772



45.1278, 0.3744, 0.2836



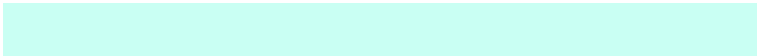
45.1278, 0.4379, 0.3607

Sweetspot

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



45.1296, 0.2492, 0.3793



90.4514, 0.2877, 0.3419



43.9972, 0.3194, 0.5392



19.1348, 0.2846, 0.3438



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.



45.1296, 0.2492, 0.3793



76.5112, 0.2455, 0.3918



31.3376, 0.2191, 0.2699



12.0242, 0.3014, 0.3344



27.7624, 0.2456, 0.4040



1.3251, 0.2407, 0.3864

Inverse Universe

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



16.4115, 0.4908, 0.2933



23.7872, 0.5489, 0.2964



21.3695, 0.5057, 0.3721



10.6763, 0.3254, 0.3237



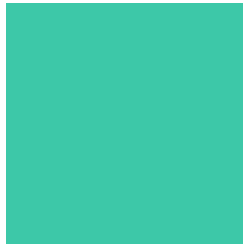
7.9448, 0.5969, 0.3062



0.3877, 0.5365, 0.2729

Previews

White Background



This preview shows how the Yxy color 45.1278, 0.2492, 0.3793 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 45.1278, 0.2492, 0.3793 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

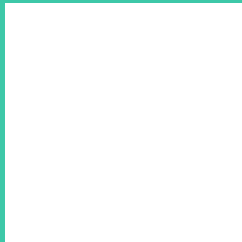
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1278, 0.2492, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 45.1278, 0.2492, 0.3793.

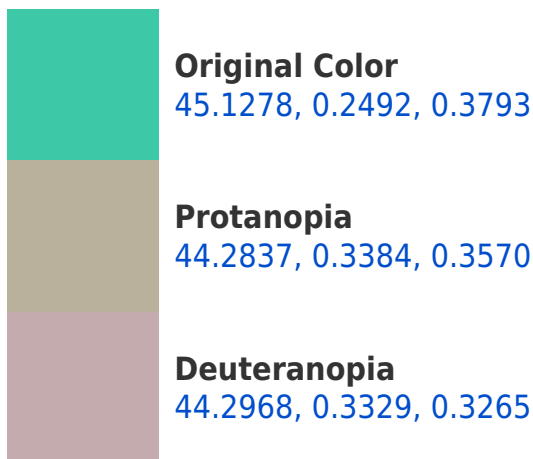


This preview shows how white text looks on a background with the Yxy color 45.1278, 0.2492, 0.3793.

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





Tritanopia

44.9860, 0.2332, 0.3057

Trichromacy



Original Color

45.1278, 0.2492, 0.3793



Protanomaly

42.8987, 0.2957, 0.3658



Deuteranomaly

42.6375, 0.2915, 0.3433



Tritanomaly

44.8758, 0.2386, 0.3303

Monochromacy



Original Color

45.1278, 0.2492, 0.3793



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.7288, 0.2791, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1278, 0.2492, 0.3793 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(61, 200, 168)` looks like.

```
.text, #text, p{  
    color:rgb(61, 200, 168)  
}
```

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(61, 200, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 200, 168) }
```

Border

The CSS property to change the border of an element to Yxy 45.1278, 0.2492, 0.3793 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(61, 200, 168) }
```

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

```
.border{ border-color:rgb(61, 200, 168) }
```

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

Here you see how a box with a 4 pixel rgb(61, 200, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 200, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 200, 168);  
box-shadow:4px 4px 4px 4px rgb(61, 200,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1278, 0.2492, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 200, 168) }
```

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

```
.background{ background-color: rgb(61, 200,  
168) }
```

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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