

Converting Colors

$Yxy(44.6020, 0.2396, 0.3494)$

Have a look what the booklet for
Yxy(44.6020, 0.2396, 0.3494)
contains.

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Color

Yxy(44.7787, 0.2398, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	3BC6B8
RGB	59, 198, 184
RGB Percent	23%, 78%, 72%
CMY	0.7689, 0.2235, 0.2785
CMYK	0.70, 0.00, 0.07, 0.22
HSL	174°, 55%, 50%
HSV	174°, 70%, 78%
XYZ	30.6448, 44.7787, 52.3696
YIQ	154.8430, -78.3500, -33.8220

Conversions

Conversions Part 2

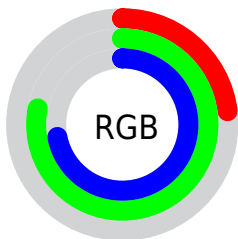
Format	Color
RYB	59, 132, 198
Decimal	3917496
CIELab	72.75, -39.67, -3.69
CIELCh	73, 39.843, 185.314
Yxy	44.7787, 0.2398, 0.3504
Android (android.graphics.Color)	4282107576 (0xFF3BC6B8)
YUV	154.8430, 14.3744, -84.0543
Hunter-Lab	66.9169, -35.3600, 0.4411

Details

The Yxy color **44.7787, 0.2398, 0.3504** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.6072, 0.5253, 0.3147**, and the grayscale version is **32.6575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1712, 0.2527, 0.3463**, and **21.2836, 0.2318, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **44.2036, 0.2360, 0.3539**, and if you desaturate by 10%, it is **45.5877, 0.2455, 0.3470**.

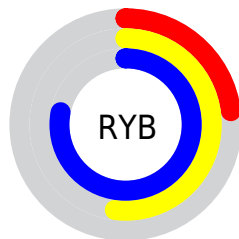
Distribution



Red (23%)

Green (78%)

Blue (72%)



Red (23%)

Yellow (52%)

Blue (78%)

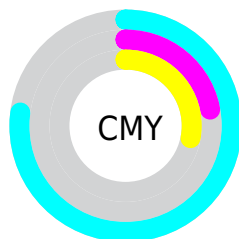


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (22%)



Cyan (77%)


Magenta (22%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7787, 0.2398, 0.3504 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 44.7787, 0.2398, 0.3504 by changing the saturation by 10% instead.


 44.7787, 0.2398,
0.3504


 44.7787, 0.2398,
0.3504


365.8765, 0.2759,
0.3402

 31.2832, 0.2309,
0.3528


 82.3882, 0.2528,
0.3468


 20.8146, 0.2197,
0.3557


 107.2710, 0.2577,
0.3454

 12.9885, 0.2049,
0.3594

 136.7183, 0.2619,
0.3442

 7.4206, 0.1848,
0.3642

 171.1145, 0.2655,
0.3432

 3.7265, 0.1560,
0.3703

 210.8441, 0.2686,
0.3423

 1.5218, 0.0944,
0.3853

256.2913, 0.2714,

 0.3040, 0.0000,

0.3415

0.3404

307.8407, 0.2738,
0.3408

0.0000, 0.0000,
0.0000

44.7787, 0.2398,
0.3504

44.7787, 0.2398,
0.3504

44.2036, 0.2360,
0.3539

45.5877, 0.2455,
0.3470

43.8296, 0.2340,
0.3573

46.6487, 0.2531,
0.3436

43.6092, 0.2335,
0.3606

47.9837, 0.2624,
0.3403

49.6113, 0.2733,
0.3372

51.5480, 0.2854,
0.3343

■ 53.8094, 0.2985,
0.3315

■ 56.4099, 0.3124,
0.3291

■ 59.3630, 0.3266,
0.3268

■ 62.6817, 0.3411,
0.3248

Harmonies

Analogous

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



44.7787, 0.2849, 0.4038



44.7787, 0.2398, 0.3504



44.7787, 0.2150, 0.2953

Triad

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



44.7787, 0.2398, 0.3504



44.7787, 0.2781, 0.2455



44.7787, 0.4211, 0.3900

Complementary

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



44.7787, 0.2398, 0.3504



15.6072, 0.5253, 0.3147

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.



44.7787, 0.4213, 0.3470



44.7787, 0.2398, 0.3504



44.7787, 0.3342, 0.2680

Square

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



44.7787, 0.2398, 0.3504



44.7787, 0.2356, 0.2408



44.7787, 0.3884, 0.3040



44.7787, 0.3902, 0.4227

Rectangle

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



44.7787, 0.2398, 0.3504



44.7787, 0.2116, 0.2674



44.7787, 0.3884, 0.3040



44.7787, 0.4250, 0.3762

Sweetspot

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



44.7804, 0.2398, 0.3504



90.8772, 0.2841, 0.3346



42.2095, 0.3099, 0.5473



19.2372, 0.2806, 0.3354



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.



44.7804, 0.2398, 0.3504



77.8940, 0.2348, 0.3556



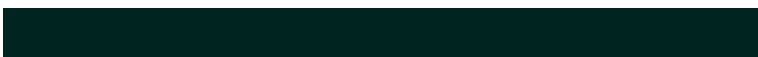
25.1620, 0.2115, 0.2411



12.0484, 0.2997, 0.3313



28.3642, 0.2334, 0.3602



1.3485, 0.2314, 0.3530

Inverse Universe

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



15.6072, 0.5253, 0.3147



23.1842, 0.5884, 0.3179



23.9631, 0.4898, 0.3926



10.6540, 0.3274, 0.3267



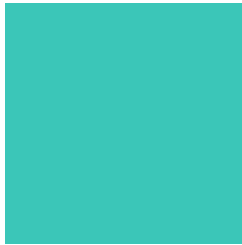
7.8464, 0.6270, 0.3228



0.3776, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 44.7787, 0.2398, 0.3504 looks on a white background.

Color Contrast Check

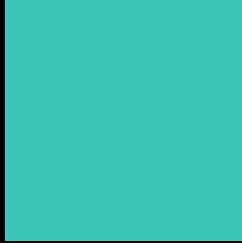
Large Text (above 18pt) WCAG AA × Fail

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 44.7787, 0.2398, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

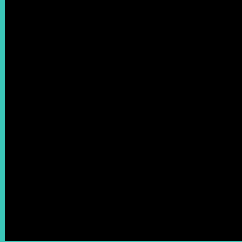
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

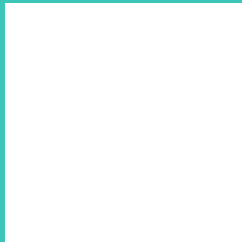
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7787, 0.2398, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 44.7787, 0.2398, 0.3504.

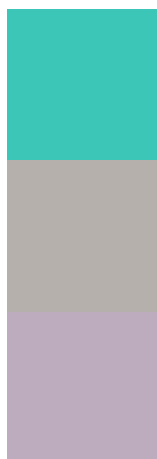


This preview shows how white text looks on a background with the Yxy color 44.7787, 0.2398, 0.3504.

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

44.7787, 0.2398, 0.3504

Protanopia

43.9743, 0.3213, 0.3343

Deuteranopia

44.0416, 0.3129, 0.3060



Tritanopia

44.6532, 0.2304, 0.3055

Trichromacy



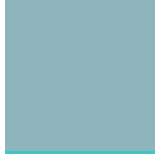
Original Color

44.7787, 0.2398, 0.3504



Protanomaly

42.7339, 0.2812, 0.3405



Deuteranomaly

42.4294, 0.2763, 0.3190



Tritanomaly

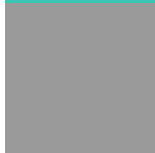
44.4762, 0.2333, 0.3199

Monochromacy



Original Color

44.7787, 0.2398, 0.3504



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.8721, 0.2740, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7787, 0.2398, 0.3504 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(59, 198, 184)` looks like.

```
.text, #text, p{  
    color:rgb(59, 198, 184)  
}
```

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(59, 198, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 198, 184) }
```

Border

The CSS property to change the border of an element to Yxy 44.7787, 0.2398, 0.3504 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(59, 198, 184) }
```

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

```
.border{ border-color:rgb(59, 198, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 198, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 198, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 198, 184);  
box-shadow:4px 4px 4px 4px rgb(59, 198,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7787, 0.2398, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 198, 184) }
```

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

```
.background{ background-color: rgb(59, 198,  
184) }
```

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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