

Converting Colors

$Yxy(44.6033, 0.2388, 0.3485)$

Have a look what the booklet for
Yxy(44.6033, 0.2388, 0.3485)
contains.

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Color

Yxy(44.7608, 0.2388, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	39C6B9
RGB	57, 198, 185
RGB Percent	22%, 78%, 73%
CMY	0.7758, 0.2236, 0.2745
CMYK	0.71, 0.00, 0.07, 0.22
HSL	174°, 55%, 50%
HSV	174°, 71%, 78%
XYZ	30.6447, 44.7608, 52.9225
YIQ	154.3590, -79.8630, -33.9350

Conversions

Conversions Part 2

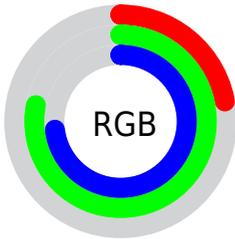
Format	Color
RYB	57, 131, 198
Decimal	3786425
CIELab	72.73, -39.62, -4.26
CIELCh	73, 39.849, 186.137
Yxy	44.7608, 0.2388, 0.3488
Android (android.graphics.Color)	4281976505 (0xFF39C6B9)
YUV	154.3590, 15.1060, -85.3838
Hunter-Lab	66.9035, -35.3204, -0.0675

Details

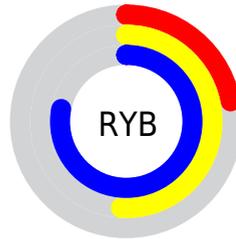
The Yxy color **44.7608, 0.2388, 0.3488** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3912, 0.5313, 0.3161**, and the grayscale version is **32.4596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1560, 0.2519, 0.3452**, and **21.3109, 0.2312, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **44.2113, 0.2351, 0.3520**, and if you desaturate by 10%, it is **45.5417, 0.2444, 0.3457**.

Distribution



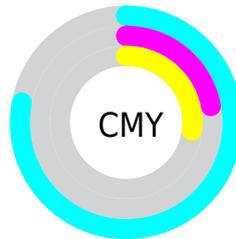
- Red (22%)
- Green (78%)
- Blue (73%)



- Red (22%)
- Yellow (51%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (78%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7608, 0.2388, 0.3488 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 44.7608, 0.2388, 0.3488 by changing the saturation by 10% instead.

 44.7608, 0.2388,
0.3488

 44.7608, 0.2388,
0.3488

365.8039, 0.2754,
0.3395

 31.2691, 0.2298,
0.3509

 82.3613, 0.2520,
0.3455

 20.8038, 0.2185,
0.3536

 107.2389, 0.2570,
0.3443

 12.9807, 0.2035,
0.3568

 136.6806, 0.2612,
0.3432

 7.4152, 0.1832,
0.3609

 171.0708, 0.2648,
0.3423

 3.7231, 0.1543,
0.3660

 210.7938, 0.2680,
0.3414

 1.5199, 0.0929,
0.3788

256.2340, 0.2708,

 0.3027, 0.0000,

0.3407

0.3254

307.7760, 0.2732,
0.3400

0.0000, 0.0000,
0.0000

44.7608, 0.2388,
0.3488

44.7608, 0.2388,
0.3488

44.2113, 0.2351,
0.3520

45.5417, 0.2444,
0.3457

43.8600, 0.2332,
0.3551

46.5724, 0.2519,
0.3426

43.6693, 0.2327,
0.3578

47.8753, 0.2611,
0.3396

49.4688, 0.2720,
0.3367

51.3699, 0.2841,
0.3340

■ 53.5940, 0.2972,
0.3315

■ 56.1557, 0.3111,
0.3292

■ 59.0686, 0.3255,
0.3272

■ 62.3457, 0.3400,
0.3253

Harmonies

Analogous

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



44.7608, 0.2834, 0.4027



44.7608, 0.2388, 0.3488



44.7608, 0.2146, 0.2940

Triad

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



44.7608, 0.2388, 0.3488



44.7608, 0.2795, 0.2459



44.7608, 0.4207, 0.3911

Complementary

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



44.7608, 0.2388, 0.3488



15.3912, 0.5313, 0.3161

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.



44.7608, 0.4218, 0.3483



44.7608, 0.2388, 0.3488



44.7608, 0.3358, 0.2689

Square

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



44.7608, 0.2388, 0.3488



44.7608, 0.2365, 0.2407



44.7608, 0.3897, 0.3051



44.7608, 0.3891, 0.4233

Rectangle

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



44.7608, 0.2388, 0.3488



44.7608, 0.2116, 0.2664



44.7608, 0.3897, 0.3051



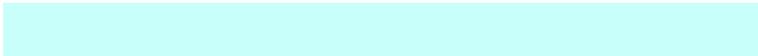
44.7608, 0.4248, 0.3774

Sweetspot

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



44.7625, 0.2388, 0.3488



90.9058, 0.2838, 0.3341



42.0310, 0.3085, 0.5505



19.2441, 0.2803, 0.3348



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.



44.7625, 0.2388, 0.3488



77.9351, 0.2339, 0.3536



24.1966, 0.2095, 0.2357



12.0500, 0.2996, 0.3311



28.4081, 0.2326, 0.3574



1.3502, 0.2308, 0.3509

Inverse Universe

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



15.3912, 0.5313, 0.3161



22.9703, 0.5940, 0.3195



24.2227, 0.4900, 0.3958



10.6526, 0.3275, 0.3269



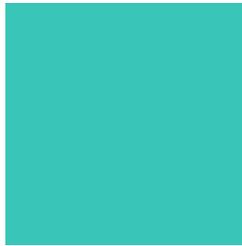
7.8423, 0.6284, 0.3235



0.3769, 0.5926, 0.3038

Previews

White Background



This preview shows how the Yxy color 44.7608, 0.2388, 0.3488 looks on a white background.

Color Contrast Check

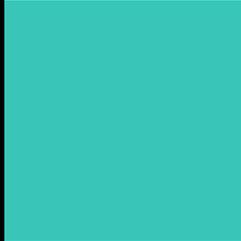
Large Text (above 18pt) WCAG AA × Fail

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 44.7608, 0.2388, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

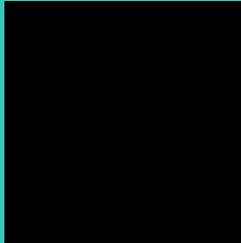
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

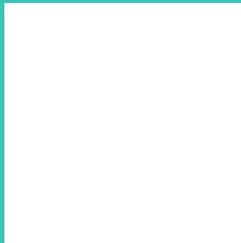
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7608, 0.2388, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 44.7608, 0.2388, 0.3488.

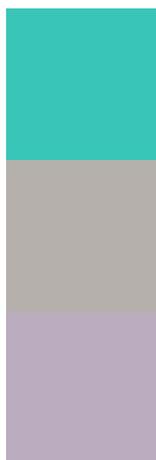


This preview shows how white text looks on a background with the Yxy color 44.7608, 0.2388, 0.3488.

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

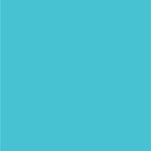
44.7608, 0.2388, 0.3488

Protanopia

43.8530, 0.3204, 0.3343

Deuteranopia

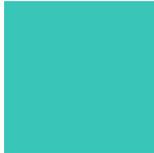
43.9580, 0.3112, 0.3047



Tritanopia

44.5763, 0.2298, 0.3055

Trichromacy



Original Color

44.7608, 0.2388, 0.3488



Protanomaly

42.6895, 0.2798, 0.3391



Deuteranomaly

42.2973, 0.2742, 0.3175



Tritanomaly

44.4055, 0.2327, 0.3198

Monochromacy



Original Color

44.7608, 0.2388, 0.3488



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.3880, 0.2738, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7608, 0.2388, 0.3488 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, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(57, 198, 185)  
}
```

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, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 198, 185) }
```

Border

The CSS property to change the border of an element to Yxy 44.7608, 0.2388, 0.3488 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, 198, 185) }
```

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

```
.border{ border-color:rgb(57, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(57, 198,  
185) }
```

Background

The CSS property to change the background color of an element to Yxy 44.7608, 0.2388, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 198, 185) }
```

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

```
.background{ background-color: rgb(57, 198,  
185) }
```

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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