

Converting Colors

$Yxy(44.8074, 0.2495, 0.3697)$

Have a look what the booklet for
Yxy(44.8074, 0.2495, 0.3697)
contains.

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Color

Yxy(44.6688, 0.2495, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	46C6AC
RGB	70, 198, 172
RGB Percent	27%, 78%, 67%
CMY	0.7257, 0.2235, 0.3255
CMYK	0.65, 0.00, 0.13, 0.22
HSL	168°, 53%, 53%
HSV	168°, 65%, 78%
XYZ	30.1620, 44.6688, 46.0590
YIQ	156.7640, -67.9420, -35.2220

Conversions

Conversions Part 2

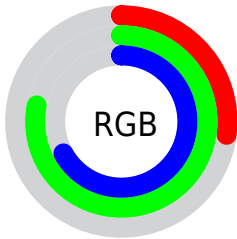
Format	Color
RYB	70, 141, 198
Decimal	4638380
CIELab	72.67, -41.17, 2.75
CIELCh	73, 41.260, 176.178
Yxy	44.6688, 0.2495, 0.3695
Android (android.graphics.Color)	4282828460 (0xFF46C6AC)
YUV	156.7640, 7.5113, -76.0920
Hunter-Lab	66.8347, -36.4050, 5.9247

Details

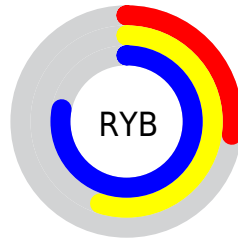
The Yxy color **44.6688, 0.2495, 0.3695** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.2227, 0.4778, 0.2983**, and the grayscale version is **33.5866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9716, 0.2611, 0.3619**, and **21.0010, 0.2388, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **43.9002, 0.2454, 0.3769**, and if you desaturate by 10%, it is **45.6882, 0.2555, 0.3623**.

Distribution



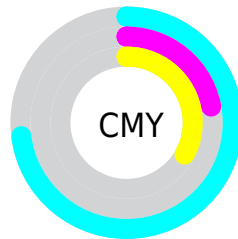
- Red (27%)
- Green (78%)
- Blue (67%)



- Red (27%)
- Yellow (55%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)





- Cyan (73%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6688, 0.2495, 0.3695 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 44.6688, 0.2495, 0.3695 by changing the saturation by 10% instead.


 44.6688, 0.2495,
0.3695


 44.6688, 0.2495,
0.3695


365.4305, 0.2812,
0.3489

 31.1966, 0.2416,
0.3747


 82.2232, 0.2611,
0.3619

 20.7486, 0.2314,
0.3815


 107.0742, 0.2654,
0.3591


 12.9404, 0.2179,
0.3906


 136.4869, 0.2690,
0.3568

 7.3875, 0.1991,
0.4034

 170.8458, 0.2722,
0.3547

 3.7056, 0.1716,
0.4228

 210.5352, 0.2749,
0.3530

 1.5103, 0.1019,
0.4685

255.9395, 0.2773,

 0.2959, 0.0000,

0.3515

0.6948

307.4432, 0.2794,
0.3501

■ 0.0000, 0.0000,
0.0000

■ 44.6688, 0.2495,
0.3695

■ 44.6688, 0.2495,
0.3695

■ 43.9002, 0.2454,
0.3769

■ 45.6882, 0.2555,
0.3623

■ 43.3521, 0.2432,
0.3843

■ 46.9747, 0.2633,
0.3553

■ 42.9961, 0.2429,
0.3916

■ 48.5493, 0.2726,
0.3486

■ 42.8539, 0.2432,
0.3955

■ 50.4295, 0.2831,
0.3424

■ 52.6312, 0.2946,
0.3366

■ 55.1694, 0.3068,
0.3313

■ 58.0580, 0.3195,
0.3265

■ 61.3103, 0.3323,
0.3222

■ 64.9386, 0.3451,
0.3184

Harmonies

Analogous

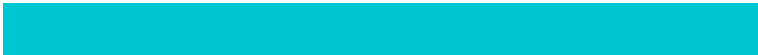
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6688, 0.3006, 0.4193



44.6688, 0.2495, 0.3695



44.6688, 0.2170, 0.3100

Triad

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



44.6688, 0.2495, 0.3695



44.6688, 0.2615, 0.2392



44.6688, 0.4288, 0.3787

Complementary

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



44.6688, 0.2495, 0.3695



17.2227, 0.4778, 0.2983

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.



44.6688, 0.4183, 0.3335



44.6688, 0.2495, 0.3695



44.6688, 0.3164, 0.2573

Square

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



44.6688, 0.2495, 0.3695



44.6688, 0.2238, 0.2406



44.6688, 0.3755, 0.2907



44.6688, 0.4053, 0.4174

Rectangle

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



44.6688, 0.2495, 0.3695



44.6688, 0.2086, 0.2770



44.6688, 0.3755, 0.2907



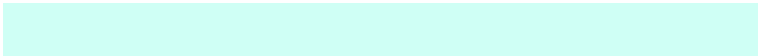
44.6688, 0.4293, 0.3638

Sweetspot

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



44.6705, 0.2495, 0.3695



91.3230, 0.2892, 0.3392



43.4130, 0.3188, 0.5263



19.3085, 0.2859, 0.3409



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.



44.6705, 0.2495, 0.3695



77.2494, 0.2442, 0.3802



31.1200, 0.2229, 0.2711



12.0292, 0.3010, 0.3337



27.8786, 0.2429, 0.3946



1.3297, 0.2387, 0.3793

Inverse Universe

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



17.2227, 0.4778, 0.2983



24.9518, 0.5372, 0.2992



22.8024, 0.4848, 0.3738



10.6716, 0.3258, 0.3243



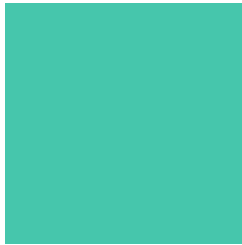
7.9183, 0.6046, 0.3105



0.3856, 0.5464, 0.2784

Previews

White Background



This preview shows how the Yxy color 44.6688, 0.2495, 0.3695 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 44.6688, 0.2495, 0.3695 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

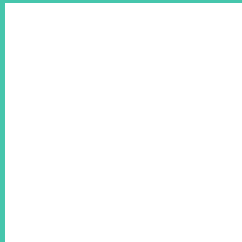
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6688, 0.2495, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 44.6688, 0.2495, 0.3695.

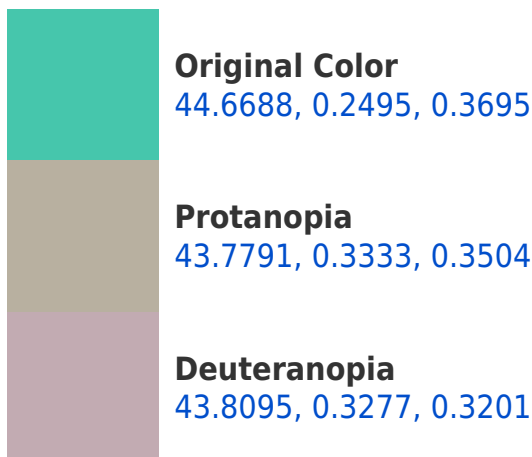


This preview shows how white text looks on a background with the Yxy color 44.6688, 0.2495, 0.3695.

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

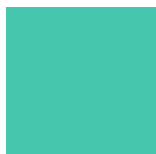




Tritanopia

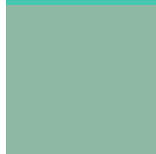
44.6724, 0.2358, 0.3071

Trichromacy



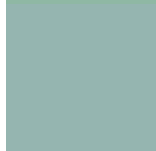
Original Color

44.6688, 0.2495, 0.3695



Protanomaly

42.8010, 0.2943, 0.3582



Deuteranomaly

42.5719, 0.2901, 0.3361



Tritanomaly

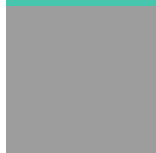
44.6758, 0.2405, 0.3288

Monochromacy



Original Color

44.6688, 0.2495, 0.3695



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.4737, 0.2809, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6688, 0.2495, 0.3695 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(70, 198, 172)` looks like.

```
.text, #text, p{  
    color:rgb(70, 198, 172)  
}
```

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(70, 198, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 198, 172) }
```

Border

The CSS property to change the border of an element to Yxy 44.6688, 0.2495, 0.3695 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(70, 198, 172) }
```

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

```
.border{ border-color:rgb(70, 198, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 198, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 198, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 198, 172);  
box-shadow:4px 4px 4px 4px rgb(70, 198,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6688, 0.2495, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 198, 172) }
```

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

```
.background{ background-color: rgb(70, 198,  
172) }
```

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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