

Converting Colors

$Yxy(30.8693, 0.2477, 0.3393)$

Have a look what the booklet for
Yxy(30.8693, 0.2477, 0.3393)
contains.

Yxy(30.8693, 0.2477, 0.3393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.8693, 0.2477, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	4AA59F
RGB	74, 165, 159
RGB Percent	29%, 65%, 62%
CMY	0.7099, 0.3529, 0.3764
CMYK	0.55, 0.00, 0.04, 0.35
HSL	176°, 38%, 47%
HSV	176°, 55%, 65%
XYZ	22.5356, 30.8693, 37.5745
YIQ	137.1070, -52.3100, -21.1580

Conversions

Conversions Part 2

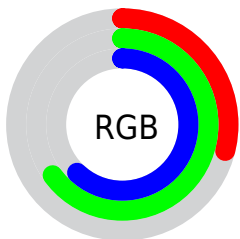
Format	Color
RYB	74, 121, 165
Decimal	4892063
CIELab	62.40, -28.45, -5.12
CIElCh	62, 28.909, 190.194
Yxy	30.8693, 0.2477, 0.3393
Android (android.graphics.Color)	4283082143 (0xFF4AA59F)
YUV	137.1070, 10.7932, -55.3448
Hunter-Lab	55.5601, -24.8294, -1.2048

Details

The Yxy color **30.8693, 0.2477, 0.3393** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4720, 0.4617, 0.3204**, and the grayscale version is **25.0297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8667, 0.2604, 0.3366**, and **12.8930, 0.2283, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **30.2620, 0.2407, 0.3415**, and if you desaturate by 10%, it is **31.6511, 0.2565, 0.3372**.

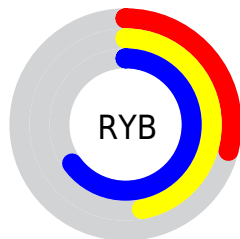
Distribution



Red (29%)

Green (65%)

Blue (62%)



Red (29%)

Yellow (47%)

Blue (65%)

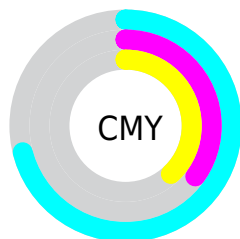


Cyan (55%)

Magenta (0%)

Yellow (4%)

Black (35%)



Cyan (71%)


Magenta (35%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8693, 0.2477, 0.3393 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 30.8693, 0.2477, 0.3393 by changing the saturation by 10% instead.

 30.8693, 0.2477,
0.3393


 30.8693, 0.2477,
0.3393


305.9357, 0.2819,
0.3344

 20.4993, 0.2386,
0.3404


 61.0342, 0.2605,
0.3376


 12.7585, 0.2266,
0.3417


 81.5980, 0.2652,
0.3369

 7.2625, 0.2101,
0.3432


 106.3285, 0.2692,
0.3364

 3.6268, 0.1860,
0.3447

 135.6101, 0.2725,
0.3359

 1.4671, 0.1442,
0.3469

 169.8273, 0.2753,
0.3354

 0.2654, 0.0000,
0.2910

209.3643, 0.2778,

 0.0000, 0.0000,

0.3350

0.0000

254.6057, 0.2800,
0.3347

■ 30.8693, 0.2477,
0.3393

■ 30.8693, 0.2477,
0.3393

■ 30.2620, 0.2407,
0.3415

■ 31.6511, 0.2565,
0.3372

■ 29.8118, 0.2356,
0.3436

■ 32.6160, 0.2668,
0.3352

■ 29.5041, 0.2323,
0.3458

■ 33.7764, 0.2786,
0.3333

■ 29.3190, 0.2308,
0.3480

■ 35.1425, 0.2915,
0.3315

■ 29.2500, 0.2303,
0.3490

■ 36.7239, 0.3053,
0.3298

■ 38.5295, 0.3197,
0.3283

■ 40.5677, 0.3344,
0.3269

■ 42.8466, 0.3493,
0.3257

■ 45.3737, 0.3640,
0.3247

Harmonies

Analogous

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



30.8693, 0.2834, 0.3835



30.8693, 0.2477, 0.3393



30.8693, 0.2295, 0.2958

Triad

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



30.8693, 0.2477, 0.3393



30.8693, 0.2915, 0.2610



30.8693, 0.3998, 0.3860

Complementary

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



30.8693, 0.2477, 0.3393



13.4720, 0.4617, 0.3204

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.



30.8693, 0.4037, 0.3513



30.8693, 0.2477, 0.3393



30.8693, 0.3385, 0.2823

Square

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



30.8693, 0.2477, 0.3393



30.8693, 0.2533, 0.2547



30.8693, 0.3808, 0.3144



30.8693, 0.3715, 0.4092

Rectangle

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



30.8693, 0.2477, 0.3393



30.8693, 0.2287, 0.2741



30.8693, 0.3808, 0.3144



30.8693, 0.4041, 0.3752

Sweetspot

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



30.8705, 0.2477, 0.3393



62.3775, 0.2887, 0.3318



29.1135, 0.3090, 0.4997



13.5337, 0.2862, 0.3322



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8705, 0.2477, 0.3393



54.0064, 0.2395, 0.3419



18.9799, 0.2288, 0.2552



8.0032, 0.2996, 0.3305



22.1291, 0.2302, 0.3488



0.4672, 0.2280, 0.3409

Inverse Universe

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



13.4720, 0.4617, 0.3204



19.6801, 0.5152, 0.3200



20.3977, 0.4340, 0.3899



7.0932, 0.3275, 0.3276



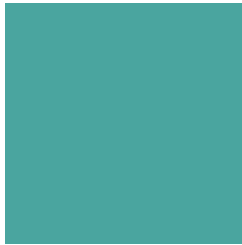
6.0726, 0.6309, 0.3249



0.1297, 0.5909, 0.3029

Previews

White Background



This preview shows how the Yxy color 30.8693, 0.2477, 0.3393 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 30.8693, 0.2477, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

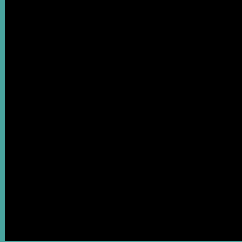
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8693, 0.2477, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 30.8693, 0.2477, 0.3393.

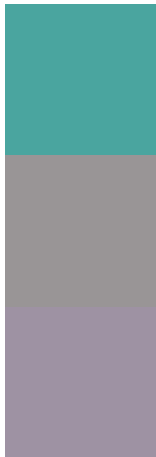


This preview shows how white text looks on a background with the Yxy color 30.8693, 0.2477, 0.3393.

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

30.8693, 0.2477, 0.3393

Protanopia

30.4692, 0.3159, 0.3275

Deuteranopia

30.4712, 0.3088, 0.3036



Tritanopia

30.6807, 0.2395, 0.3054

Trichromacy



Original Color

30.8693, 0.2477, 0.3393

Protanomaly

30.0277, 0.2853, 0.3322

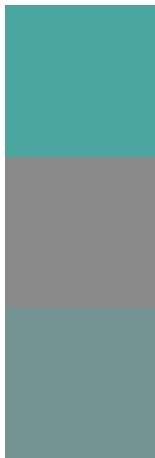
Deuteranomaly

29.9031, 0.2803, 0.3144

Tritanomaly

30.7164, 0.2424, 0.3169

Monochromacy



Original Color

30.8693, 0.2477, 0.3393

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4892, 0.2821, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8693, 0.2477, 0.3393 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(74, 165, 159)` looks like.

```
.text, #text, p{  
  color:rgb(74, 165, 159)  
}
```

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(74, 165, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 165, 159) }
```

Border

The CSS property to change the border of an element to Yxy 30.8693, 0.2477, 0.3393 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(74, 165, 159) }
```

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

```
.border{ border-color:rgb(74, 165, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 165, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 165, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 165, 159);  
box-shadow:4px 4px 4px 4px rgb(74, 165,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8693, 0.2477, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 165, 159) }
```

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

```
.background{ background-color: rgb(74, 165,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor