

Converting Colors

$Yxy(32.8206, 0.2503, 0.3453)$

Have a look what the booklet for
Yxy(32.8206, 0.2503, 0.3453)
contains.

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Color

Yxy(32.8653, 0.2503, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	4DAAA0
RGB	77, 170, 160
RGB Percent	30%, 67%, 63%
CMY	0.6984, 0.3333, 0.3726
CMYK	0.55, 0.00, 0.06, 0.33
HSL	174°, 38%, 48%
HSV	174°, 55%, 67%
XYZ	23.7751, 32.8653, 38.3460
YIQ	141.0530, -52.2180, -22.8260

Conversions

Conversions Part 2

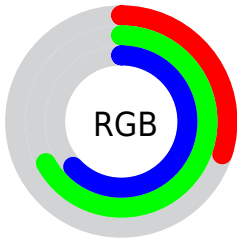
Format	Color
RYB	77, 126, 170
Decimal	5089952
CIELab	64.05, -30.01, -3.22
CIElCh	64, 30.183, 186.119
Yxy	32.8653, 0.2503, 0.3460
Android (android.graphics.Color)	4283280032 (0xFF4DAAA0)
YUV	141.0530, 9.3409, -56.1745
Hunter-Lab	57.3283, -26.2972, 0.4716

Details

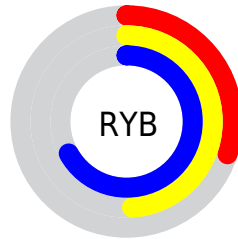
The Yxy color **32.8653, 0.2503, 0.3460** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5311, 0.4536, 0.3147**, and the grayscale version is **26.6286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3673, 0.2625, 0.3428**, and **13.8267, 0.2303, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **32.1867, 0.2435, 0.3496**, and if you desaturate by 10%, it is **33.7321, 0.2588, 0.3425**.

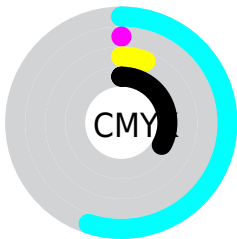
Distribution



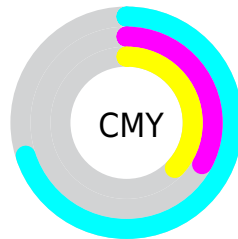
- Red (30%)
- Green (67%)
- Blue (63%)



- Red (30%)
- Yellow (49%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)





- Cyan (70%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8653, 0.2503, 0.3460 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 32.8653, 0.2503, 0.3460 by changing the saturation by 10% instead.

 32.8653, 0.2503,
0.3460


 32.8653, 0.2503,
0.3460


315.0423, 0.2829,
0.3374


 22.0233, 0.2417,
0.3481


 64.1652, 0.2625,
0.3429


 13.8740, 0.2304,
0.3508


 85.3918, 0.2670,
0.3417


 8.0331, 0.2149,
0.3544


 110.8488, 0.2707,
0.3407

 4.1161, 0.1925,
0.3592

 140.9205, 0.2739,
0.3399

 1.7387, 0.1569,
0.3658

 175.9913, 0.2766,
0.3391

 0.4485, 0.0000,
0.3861

216.4456, 0.2790,

 0.0000, 0.0000,

0.3385

0.0000

262.6678, 0.2811,
0.3379

■ 32.8653, 0.2503,
0.3460

■ 32.8653, 0.2503,
0.3460

■ 32.1867, 0.2435,
0.3496

■ 33.7321, 0.2588,
0.3425

■ 31.6778, 0.2387,
0.3533

■ 34.7966, 0.2689,
0.3391

■ 31.3228, 0.2356,
0.3570

■ 36.0718, 0.2803,
0.3359

■ 31.1010, 0.2343,
0.3606

■ 37.5687, 0.2929,
0.3330

■ 31.0120, 0.2340,
0.3625

■ 39.2978, 0.3062,
0.3302

■ 41.2685, 0.3200,
0.3277

■ 43.4898, 0.3342,
0.3255

■ 45.9705, 0.3483,
0.3235

■ 48.7186, 0.3624,
0.3218

Harmonies

Analogous

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



32.8653, 0.2886, 0.3899



32.8653, 0.2503, 0.3460



32.8653, 0.2291, 0.3004

Triad

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



32.8653, 0.2503, 0.3460



32.8653, 0.2849, 0.2578



32.8653, 0.4038, 0.3828

Complementary

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



32.8653, 0.2503, 0.3460



14.5311, 0.4536, 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.



32.8653, 0.4042, 0.3465



32.8653, 0.2503, 0.3460



32.8653, 0.3324, 0.2777

Square

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



32.8653, 0.2503, 0.3460



32.8653, 0.2479, 0.2537



32.8653, 0.3773, 0.3091



32.8653, 0.3778, 0.4088

Rectangle

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



32.8653, 0.2503, 0.3460



32.8653, 0.2264, 0.2767



32.8653, 0.3773, 0.3091



32.8653, 0.4071, 0.3713

Sweetspot

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



32.8666, 0.2503, 0.3460



67.7100, 0.2909, 0.3334



31.3529, 0.3125, 0.4970



14.9744, 0.2883, 0.3340



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.8666, 0.2503, 0.3460



58.1370, 0.2422, 0.3505



21.6180, 0.2311, 0.2646



8.5179, 0.3001, 0.3314



22.8140, 0.2339, 0.3621



0.5589, 0.2306, 0.3500

Inverse Universe

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



14.5311, 0.4536, 0.3147



21.3550, 0.5068, 0.3135



20.8046, 0.4375, 0.3828



7.5549, 0.3269, 0.3266



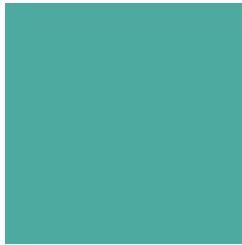
6.3237, 0.6247, 0.3215



0.1578, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 32.8653, 0.2503, 0.3460 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 32.8653, 0.2503, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

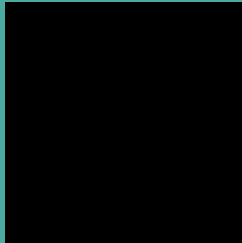
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8653, 0.2503, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 32.8653, 0.2503, 0.3460.

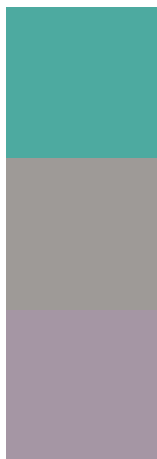


This preview shows how white text looks on a background with the Yxy color 32.8653, 0.2503, 0.3460.

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

32.8653, 0.2503, 0.3460

Protanopia

32.6147, 0.3195, 0.3335

Deuteranopia

32.4924, 0.3147, 0.3087



Tritanopia

32.8175, 0.2410, 0.3076

Trichromacy



Original Color

32.8653, 0.2503, 0.3460

Protanomaly

32.1418, 0.2892, 0.3386

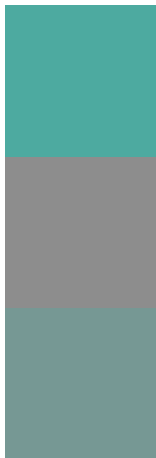
Deuteranomaly

31.7448, 0.2852, 0.3195

Tritanomaly

32.7717, 0.2439, 0.3205

Monochromacy



Original Color

32.8653, 0.2503, 0.3460

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.4461, 0.2838, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8653, 0.2503, 0.3460 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(77, 170, 160)` looks like.

```
.text, #text, p{  
    color:rgb(77, 170, 160)  
}
```

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(77, 170, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 170, 160) }
```

Border

The CSS property to change the border of an element to Yxy 32.8653, 0.2503, 0.3460 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(77, 170, 160) }
```

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

```
.border{ border-color:rgb(77, 170, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 170, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 170, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 170, 160);  
box-shadow:4px 4px 4px 4px rgb(77, 170,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8653, 0.2503, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 170, 160) }
```

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

```
.background{ background-color: rgb(77, 170,  
160) }
```

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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