

Converting Colors

$Y_{xy}(30.9986, 0.2505, 0.3410)$

Have a look what the booklet for
Yxy(30.9986, 0.2505, 0.3410)
contains.

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Color

Yxy(30.9986, 0.2505, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	4EA59E
RGB	78, 165, 158
RGB Percent	31%, 65%, 62%
CMY	0.6939, 0.3530, 0.3804
CMYK	0.53, 0.00, 0.04, 0.35
HSL	175°, 36%, 48%
HSV	175°, 53%, 65%
XYZ	22.7717, 30.9986, 37.1347
YIQ	138.1890, -49.6050, -20.6210

Conversions

Conversions Part 2

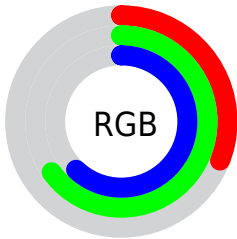
Format	Color
RYB	78, 123, 165
Decimal	5154206
CIELab	62.51, -27.85, -4.38
CIELCh	63, 28.189, 188.936
Yxy	30.9986, 0.2505, 0.3410
Android (android.graphics.Color)	4283344286 (0xFF4EA59E)
YUV	138.1890, 9.7668, -52.7858
Hunter-Lab	55.6764, -24.4270, -0.5714

Details

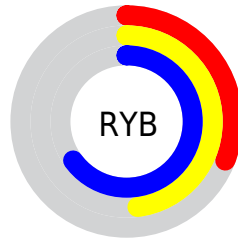
The Yxy color **30.9986, 0.2505, 0.3410** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1107, 0.4492, 0.3187**, and the grayscale version is **25.4726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0588, 0.2625, 0.3378**, and **12.9105, 0.2303, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **30.3423, 0.2432, 0.3436**, and if you desaturate by 10%, it is **31.8327, 0.2596, 0.3384**.

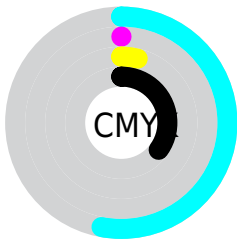
Distribution



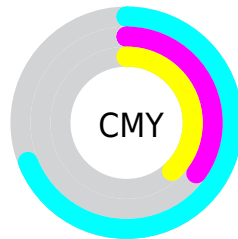
- Red (31%)
- Green (65%)
- Blue (62%)



- Red (31%)
- Yellow (48%)
- Blue (65%)



- Cyan (53%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)





- Cyan (69%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9986, 0.2505, 0.3410 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 30.9986, 0.2505, 0.3410 by changing the saturation by 10% instead.


 30.9986, 0.2505,
0.3410


 30.9986, 0.2505,
0.3410


306.5319, 0.2833,
0.3351

 20.5978, 0.2418,
0.3424


 61.2379, 0.2628,
0.3389

 12.8303, 0.2303,
0.3441


 81.8451, 0.2673,
0.3381


 7.3118, 0.2143,
0.3463


 106.6233, 0.2711,
0.3374

 3.6579, 0.1911,
0.3488

 135.9568, 0.2742,
0.3368

 1.4841, 0.1512,
0.3527

 170.2300, 0.2770,
0.3363

 0.2775, 0.0000,
0.3133

209.8273, 0.2794,

 0.0000, 0.0000,

0.3359

0.0000

255.1331, 0.2814,
0.3355

■ 30.9986, 0.2505,
0.3410

■ 30.9986, 0.2505,
0.3410

■ 30.3423, 0.2432,
0.3436

■ 31.8327, 0.2596,
0.3384

■ 29.8468, 0.2377,
0.3463

■ 32.8529, 0.2702,
0.3360

■ 29.4980, 0.2341,
0.3490

■ 34.0714, 0.2821,
0.3337

■ 29.2779, 0.2322,
0.3517

■ 35.4981, 0.2951,
0.3315

■ 29.1676, 0.2316,
0.3536

■ 37.1425, 0.3089,
0.3295

■ 39.0134, 0.3232,
0.3277

■ 41.1190, 0.3377,
0.3261

■ 43.4674, 0.3523,
0.3247

■ 46.0660, 0.3667,
0.3234

Harmonies

Analogous

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



30.9986, 0.2859, 0.3835



30.9986, 0.2505, 0.3410



30.9986, 0.2319, 0.2983

Triad

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



30.9986, 0.2505, 0.3410



30.9986, 0.2903, 0.2621



30.9986, 0.3982, 0.3835

Complementary

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



30.9986, 0.2505, 0.3410



14.1107, 0.4492, 0.3187

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.



30.9986, 0.4009, 0.3494



30.9986, 0.2505, 0.3410



30.9986, 0.3359, 0.2823

Square

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



30.9986, 0.2505, 0.3410



30.9986, 0.2535, 0.2566



30.9986, 0.3776, 0.3133



30.9986, 0.3716, 0.4066

Rectangle

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



30.9986, 0.2505, 0.3410



30.9986, 0.2305, 0.2766



30.9986, 0.3776, 0.3133



30.9986, 0.4020, 0.3728

Sweetspot

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



30.9998, 0.2505, 0.3410



62.6146, 0.2903, 0.3323



29.4049, 0.3105, 0.4907



13.5800, 0.2878, 0.3327



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.



30.9998, 0.2505, 0.3410



54.1964, 0.2423, 0.3440



19.9774, 0.2329, 0.2620



8.0014, 0.2998, 0.3308



22.0700, 0.2315, 0.3533



0.4664, 0.2288, 0.3436

Inverse Universe

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



14.1107, 0.4492, 0.3187



20.6948, 0.4983, 0.3178



20.6466, 0.4282, 0.3853



7.0948, 0.3273, 0.3272



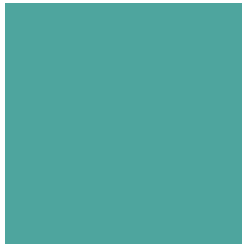
6.0774, 0.6289, 0.3238



0.1303, 0.5814, 0.2977

Previews

White Background



This preview shows how the Yxy color 30.9986, 0.2505, 0.3410 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 30.9986, 0.2505, 0.3410 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 30.9986, 0.2505, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 30.9986, 0.2505, 0.3410.

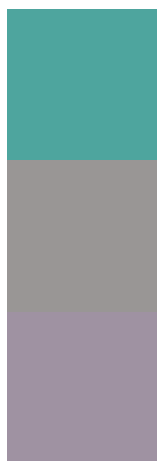


This preview shows how white text looks on a background with the Yxy color 30.9986, 0.2505, 0.3410.

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

30.9986, 0.2505, 0.3410

Protanopia

30.7549, 0.3167, 0.3306

Deuteranopia

30.5373, 0.3108, 0.3051



Tritanopia

30.8206, 0.2423, 0.3071

Trichromacy



Original Color

30.9986, 0.2505, 0.3410

Protanomaly

30.1453, 0.2879, 0.3339

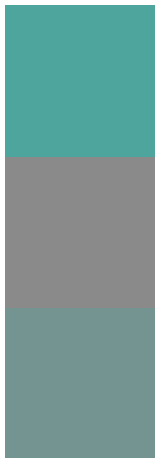
Deuteranomaly

30.1015, 0.2838, 0.3161

Tritanomaly

30.8528, 0.2452, 0.3186

Monochromacy



Original Color

30.9986, 0.2505, 0.3410

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.9371, 0.2841, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9986, 0.2505, 0.3410 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(78, 165, 158)` looks like.

```
.text, #text, p{  
    color:rgb(78, 165, 158)  
}
```

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(78, 165, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 165, 158) }
```

Border

The CSS property to change the border of an element to Yxy 30.9986, 0.2505, 0.3410 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(78, 165, 158) }
```

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

```
.border{ border-color:rgb(78, 165, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 165, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 165, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 165, 158);  
box-shadow:4px 4px 4px 4px rgb(78, 165,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9986, 0.2505, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 165, 158) }
```

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

```
.background{ background-color: rgb(78, 165,  
158) }
```

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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