

Converting Colors

$Yxy(31.3341, 0.2583, 0.3980)$

Have a look what the booklet for
Yxy(31.3341, 0.2583, 0.3980)
contains.

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Color

Yxy(31.3424, 0.2581, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	3AAA85
RGB	58, 170, 133
RGB Percent	23%, 67%, 52%
CMY	0.7723, 0.3333, 0.4784
CMYK	0.66, 0.00, 0.22, 0.33
HSL	160°, 49%, 45%
HSV	160°, 66%, 67%
XYZ	20.3560, 31.3424, 27.1702
YIQ	132.2940, -54.8750, -35.2510

Conversions

Conversions Part 2

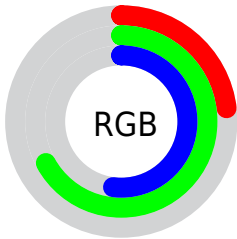
Format	Color
RYB	58, 125, 170
Decimal	3844741
CIELab	62.80, -40.49, 9.94
CIELCh	63, 41.689, 166.206
Yxy	31.3424, 0.2581, 0.3974
Android (android.graphics.Color)	4282034821 (0xFF3AAA85)
YUV	132.2940, 0.3481, -65.1558
Hunter-Lab	55.9843, -33.0695, 10.4144

Details

The Yxy color **31.3424, 0.2581, 0.3974** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4046, 0.4507, 0.2773**, and the grayscale version is **23.2057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7894, 0.2697, 0.3828**, and **13.3471, 0.2506, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **30.7638, 0.2551, 0.4099**, and if you desaturate by 10%, it is **32.1000, 0.2629, 0.3852**.

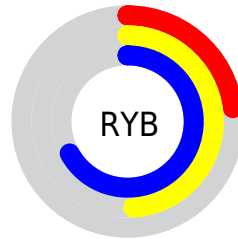
Distribution



Red (23%)

Green (67%)

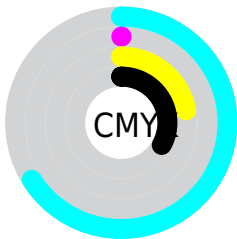
Blue (52%)



Red (23%)

Yellow (49%)

Blue (67%)

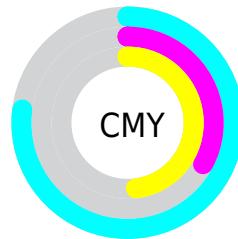


Cyan (66%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (77%)


Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3424, 0.2581, 0.3974 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 31.3424, 0.2581, 0.3974 by changing the saturation by 10% instead.


 31.3424, 0.2581,
0.3974


 31.3424, 0.2581,
0.3974

308.1127, 0.2878,
0.3595

 20.8597, 0.2498,
0.4083


 61.7787, 0.2695,
0.3826


 13.0215, 0.2386,
0.4232


 82.5012, 0.2736,
0.3774


 7.4434, 0.2227,
0.4450


 107.4057, 0.2770,
0.3731

 3.7409, 0.1984,
0.4794

 136.8766, 0.2798,
0.3695

 1.5297, 0.1309,
0.5593

 171.2984, 0.2823,
0.3664

 0.3095, 0.0000,
1.0000

211.0554, 0.2844,

 0.0000, 0.0000,

0.3638

0.0000

256.5320, 0.2862,
0.3615

■ 31.3424, 0.2581,
0.3974

■ 31.3424, 0.2581,
0.3974

■ 30.7638, 0.2551,
0.4099

■ 32.1000, 0.2629,
0.3852

■ 30.3432, 0.2541,
0.4224

■ 33.0480, 0.2694,
0.3734

■ 30.0589, 0.2550,
0.4348

■ 34.2009, 0.2773,
0.3623

■ 29.9597, 0.2556,
0.4400

■ 35.5712, 0.2864,
0.3519

■ 37.1698, 0.2962,
0.3424

■ 39.0073, 0.3065,
0.3337

■ 41.0934, 0.3172,
0.3259

■ 43.4374, 0.3279,
0.3189

■ 46.0480, 0.3385,
0.3127

Harmonies

Analogous

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



31.3424, 0.3196, 0.4441



31.3424, 0.2581, 0.3974



31.3424, 0.2142, 0.3283

Triad

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



31.3424, 0.2581, 0.3974



31.3424, 0.2382, 0.2265



31.3424, 0.4450, 0.3666

Complementary

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



31.3424, 0.2581, 0.3974



12.4046, 0.4507, 0.2773

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.



31.3424, 0.4202, 0.3164



31.3424, 0.2581, 0.3974



31.3424, 0.2943, 0.2400

Square

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



31.3424, 0.2581, 0.3974



31.3424, 0.2045, 0.2353



31.3424, 0.3623, 0.2719



31.3424, 0.4295, 0.4144

Rectangle

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



31.3424, 0.2581, 0.3974



31.3424, 0.1992, 0.2865



31.3424, 0.3623, 0.2719



31.3424, 0.4413, 0.3497

Sweetspot

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



31.3436, 0.2581, 0.3974



66.0807, 0.2917, 0.3466



31.5075, 0.3292, 0.5212



14.5619, 0.2890, 0.3492



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.



31.3436, 0.2581, 0.3974



55.4357, 0.2544, 0.4156



26.0465, 0.2283, 0.2954



8.4893, 0.3029, 0.3366



22.0499, 0.2552, 0.4386



0.5453, 0.2439, 0.3979

Inverse Universe

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



12.4046, 0.4507, 0.2773



18.5158, 0.5004, 0.2757



14.1195, 0.5022, 0.3550



7.5817, 0.3236, 0.3216



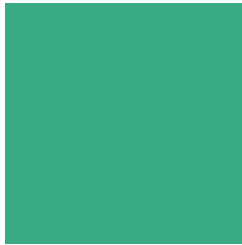
6.5072, 0.5608, 0.2863



0.1677, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 31.3424, 0.2581, 0.3974 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 31.3424, 0.2581, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

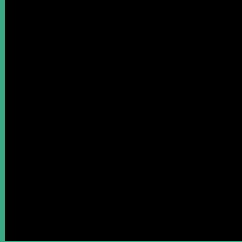
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3424, 0.2581, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 31.3424, 0.2581, 0.3974.



This preview shows how white text looks on a background with the Yxy color 31.3424, 0.2581, 0.3974.

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

31.3424, 0.2581, 0.3974

Protanopia

31.0369, 0.3495, 0.3723

Deuteranopia

30.6318, 0.3468, 0.3395



Tritanopia

31.2617, 0.2376, 0.3071

Trichromacy



Original Color

31.3424, 0.2581, 0.3974



Protanomaly

30.1970, 0.3065, 0.3820



Deuteranomaly

29.5559, 0.3045, 0.3592



Tritanomaly

31.1109, 0.2444, 0.3375

Monochromacy



Original Color

31.3424, 0.2581, 0.3974



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.2270, 0.2850, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3424, 0.2581, 0.3974 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(58, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(58, 170, 133)  
}
```

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(58, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 170, 133) }
```

Border

The CSS property to change the border of an element to Yxy 31.3424, 0.2581, 0.3974 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(58, 170, 133) }
```

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

```
.border{ border-color:rgb(58, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(58, 170,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3424, 0.2581, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 170, 133) }
```

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

```
.background{ background-color: rgb(58, 170,  
133) }
```

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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