

Converting Colors

$Y_{xy}(31.2884, 0.2436, 0.3614)$

Have a look what the booklet for
Yxy(31.2884, 0.2436, 0.3614)
contains.

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Color

Yxy(31.2884, 0.2436, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	32A997
RGB	50, 169, 151
RGB Percent	20%, 66%, 59%
CMY	0.8037, 0.3373, 0.4079
CMYK	0.70, 0.00, 0.11, 0.34
HSL	171°, 54%, 43%
HSV	171°, 70%, 66%
XYZ	21.0898, 31.2884, 34.1973
YIQ	131.3670, -65.1460, -30.8260

Conversions

Conversions Part 2

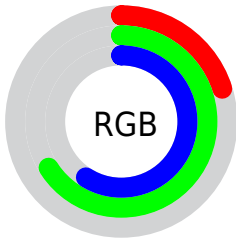
Format	Color
RYB	50, 114, 169
Decimal	3320215
CIELab	62.75, -36.74, -0.17
CIElCh	63, 36.740, 180.268
Yxy	31.2884, 0.2436, 0.3614
Android (android.graphics.Color)	4281510295 (0xFF32A997)
YUV	131.3670, 9.6791, -71.3589
Hunter-Lab	55.9360, -30.5874, 2.9074

Details

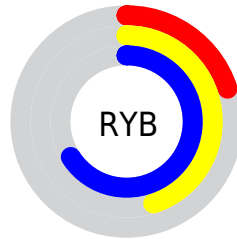
The Yxy color **31.2884, 0.2436, 0.3614** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.1394, 0.5104, 0.3065**, and the grayscale version is **22.8227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7689, 0.2574, 0.3553**, and **13.4109, 0.2364, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **30.8537, 0.2401, 0.3667**, and if you desaturate by 10%, it is **31.8859, 0.2490, 0.3561**.

Distribution



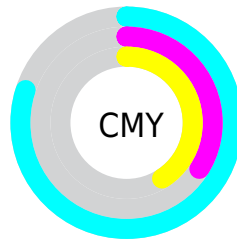
- Red (20%)
- Green (66%)
- Blue (59%)



- Red (20%)
- Yellow (45%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)





- Cyan (80%)
- Magenta (34%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2884, 0.2436, 0.3614 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 31.2884, 0.2436, 0.3614 by changing the saturation by 10% instead.


 31.2884, 0.2436,
0.3614


 31.2884, 0.2436,
0.3614


307.8648, 0.2801,
0.3443

 20.8186, 0.2338,
0.3660


 61.6938, 0.2573,
0.3550


 12.9914, 0.2209,
0.3720


 82.3982, 0.2624,
0.3526


 7.4227, 0.2031,
0.3803


 107.2829, 0.2666,
0.3507

 3.7278, 0.1770,
0.3924

 136.7323, 0.2701,
0.3490

 1.5225, 0.1221,
0.4180

 171.1308, 0.2731,
0.3476

 0.3045, 0.0000,
0.4699

210.8628, 0.2758,

 0.0000, 0.0000,

0.3463

0.0000

256.3126, 0.2781,
0.3453

■ 31.2884, 0.2436,
0.3614

■ 31.2884, 0.2436,
0.3614

■ 30.8537, 0.2401,
0.3667

■ 31.8859, 0.2490,
0.3561

■ 30.5597, 0.2384,
0.3720

■ 32.6583, 0.2562,
0.3510

■ 30.3716, 0.2381,
0.3771

■ 33.6205, 0.2651,
0.3460

■ 34.7849, 0.2754,
0.3413

■ 36.1630, 0.2869,
0.3369

■ 37.7652, 0.2992,
0.3329

■ 39.6013, 0.3122,
0.3291

■ 41.6806, 0.3256,
0.3258

■ 44.0117, 0.3390,
0.3228

Harmonies

Analogous

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



31.2884, 0.2929, 0.4143



31.2884, 0.2436, 0.3614



31.2884, 0.2142, 0.3025

Triad

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



31.2884, 0.2436, 0.3614



31.2884, 0.2680, 0.2404



31.2884, 0.4277, 0.3847

Complementary

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



31.2884, 0.2436, 0.3614



11.1394, 0.5104, 0.3065

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.



31.2884, 0.4221, 0.3397



31.2884, 0.2436, 0.3614



31.2884, 0.3247, 0.2609

Square

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



31.2884, 0.2436, 0.3614



31.2884, 0.2274, 0.2389



31.2884, 0.3829, 0.2960



31.2884, 0.4002, 0.4217

Rectangle

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



31.2884, 0.2436, 0.3614



31.2884, 0.2079, 0.2713



31.2884, 0.3829, 0.2960



31.2884, 0.4299, 0.3700

Sweetspot

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



31.2896, 0.2436, 0.3614



64.5019, 0.2857, 0.3374



29.9047, 0.3138, 0.5430



13.9112, 0.2826, 0.3385



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.2896, 0.2436, 0.3614



54.9575, 0.2390, 0.3694



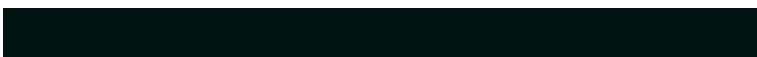
19.3377, 0.2151, 0.2540



8.5122, 0.3006, 0.3324



22.6418, 0.2379, 0.3765



0.5560, 0.2331, 0.3591

Inverse Universe

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



11.1394, 0.5104, 0.3065



16.6727, 0.5729, 0.3101



15.9284, 0.4955, 0.3837



7.5601, 0.3263, 0.3256



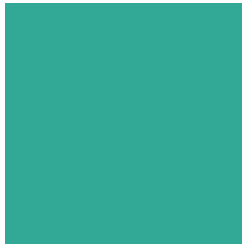
6.3461, 0.6158, 0.3166



0.1597, 0.5441, 0.2771

Previews

White Background



This preview shows how the Yxy color 31.2884, 0.2436, 0.3614 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 31.2884, 0.2436, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

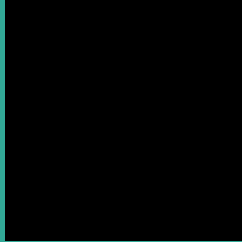
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2884, 0.2436, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 31.2884, 0.2436, 0.3614.



This preview shows how white text looks on a background with the Yxy color 31.2884, 0.2436, 0.3614.

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

31.2884, 0.2436, 0.3614

Protanopia

30.8037, 0.3276, 0.3429

Deuteranopia

30.7446, 0.3207, 0.3142



Tritanopia

31.2146, 0.2321, 0.3069

Trichromacy



Original Color

31.2884, 0.2436, 0.3614

Protanomaly

29.9402, 0.2859, 0.3493

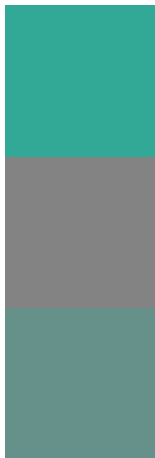
Deuteranomaly

29.5819, 0.2826, 0.3289

Tritanomaly

31.0294, 0.2360, 0.3253

Monochromacy



Original Color

31.2884, 0.2436, 0.3614

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.9106, 0.2770, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2884, 0.2436, 0.3614 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(50, 169, 151)` looks like.

```
.text, #text, p{  
    color:rgb(50, 169, 151)  
}
```

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(50, 169, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 169, 151) }
```

Border

The CSS property to change the border of an element to Yxy 31.2884, 0.2436, 0.3614 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(50, 169, 151) }
```

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

```
.border{ border-color:rgb(50, 169, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 169, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 169, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 169, 151);  
box-shadow:4px 4px 4px 4px rgb(50, 169,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2884, 0.2436, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 169, 151) }
```

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

```
.background{ background-color: rgb(50, 169,  
151) }
```

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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