

Converting Colors

$Yxy(30.5645, 0.2432, 0.3811)$

Have a look what the booklet for
Yxy(30.5645, 0.2432, 0.3811)
contains.

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Color

Yxy(30.5602, 0.2434, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	1DA98D
RGB	29, 169, 141
RGB Percent	11%, 66%, 55%
CMY	0.8860, 0.3372, 0.4471
CMYK	0.83, 0.00, 0.17, 0.34
HSL	168°, 71%, 39%
HSV	168°, 83%, 66%
XYZ	19.5028, 30.5602, 30.0634
YIQ	123.9480, -74.4520, -38.3880

Conversions

Conversions Part 2

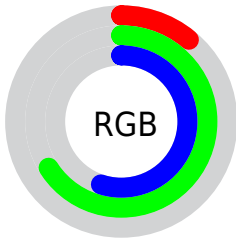
Format	Color
RYB	29, 107, 169
Decimal	1943949
CIELab	62.13, -41.88, 4.48
CIElCh	62, 42.116, 173.892
Yxy	30.5602, 0.2434, 0.3814
Android (android.graphics.Color)	4280134029 (0xFF1DA98D)
YUV	123.9480, 8.4066, -83.2694
Hunter-Lab	55.2813, -33.7690, 6.4534

Details

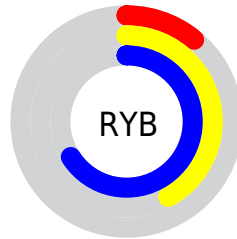
The Yxy color **30.5602, 0.2434, 0.3814** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.6140, 0.5487, 0.3007**, and the grayscale version is **20.1353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5573, 0.2573, 0.3697**, and **13.2461, 0.2435, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **30.2793, 0.2426, 0.3886**, and if you desaturate by 10%, it is **30.9816, 0.2461, 0.3742**.

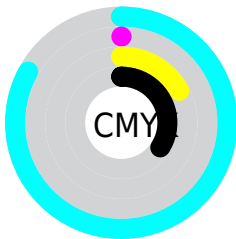
Distribution



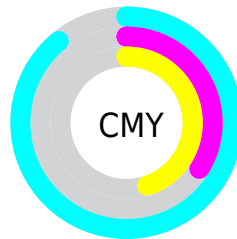
- Red (11%)
- Green (66%)
- Blue (55%)



- Red (11%)
- Yellow (42%)
- Blue (66%)



- Cyan (83%)
- Magenta (0%)
- Yellow (17%)
- Black (34%)




- Cyan (89%)
- Magenta (34%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5602, 0.2434, 0.3814 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 30.5602, 0.2434, 0.3814 by changing the saturation by 10% instead.

 30.5602, 0.2434,
0.3814


 30.5602, 0.2434,
0.3814

 304.5070, 0.2805,
0.3528

 20.2642, 0.2333,
0.3894


 60.5470, 0.2575,
0.3704


 12.5872, 0.2198,
0.4003


 81.0065, 0.2626,
0.3665


 7.1449, 0.2009,
0.4158


 105.6227, 0.2669,
0.3632

 3.5529, 0.1730,
0.4397

 134.7799, 0.2704,
0.3605

 1.4268, 0.0895,
0.5019

 168.8626, 0.2735,
0.3581

 0.2363, 0.0000,
1.0000

 208.2551, 0.2762,

 0.0000, 0.0000,

0.3561

0.0000

253.3417, 0.2785,
0.3544

■ 30.5602, 0.2434,
0.3814

■ 30.5602, 0.2434,
0.3814

■ 30.2793, 0.2426,
0.3886

■ 30.9816, 0.2461,
0.3742

■ 30.1303, 0.2427,
0.3937

■ 31.5594, 0.2507,
0.3670

■ 32.3110, 0.2571,
0.3600

■ 33.2506, 0.2652,
0.3533

■ 34.3909, 0.2747,
0.3469

■ 35.7435, 0.2854,
0.3409

■ 37.3191, 0.2970,
0.3354

■ 39.1277, 0.3092,
0.3303

■ 41.1787, 0.3218,
0.3258

Harmonies

Analogous

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



30.5602, 0.3026, 0.4383



30.5602, 0.2434, 0.3814



30.5602, 0.2052, 0.3108

Triad

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



30.5602, 0.2434, 0.3814



30.5602, 0.2496, 0.2264



30.5602, 0.4471, 0.3801

Complementary

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



30.5602, 0.2434, 0.3814



9.6140, 0.5487, 0.3007

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.



30.5602, 0.4325, 0.3289



30.5602, 0.2434, 0.3814



30.5602, 0.3112, 0.2453

Square

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



30.5602, 0.2434, 0.3814



30.5602, 0.2091, 0.2291



30.5602, 0.3803, 0.2815



30.5602, 0.4217, 0.4264

Rectangle

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



30.5602, 0.2434, 0.3814



30.5602, 0.1947, 0.2719



30.5602, 0.3803, 0.2815



30.5602, 0.4470, 0.3630

Sweetspot

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



30.5614, 0.2434, 0.3814



63.3328, 0.2825, 0.3425



29.4074, 0.3145, 0.5695



13.6246, 0.2789, 0.3445



84.8088, 0.3127, 0.3290



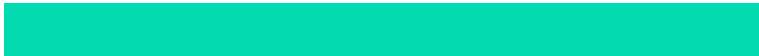
15.4872, 0.3127, 0.3290

Same Dimension

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



30.5614, 0.2434, 0.3814



53.9617, 0.2430, 0.3943



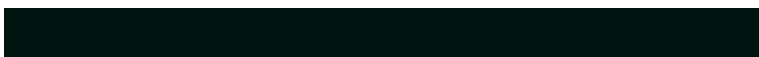
18.9214, 0.2080, 0.2528



8.5059, 0.3013, 0.3336



22.4633, 0.2425, 0.3930



0.5529, 0.2359, 0.3694

Inverse Universe

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



9.6140, 0.5487, 0.3007



15.3489, 0.6072, 0.3126



12.7463, 0.5485, 0.3740



7.5660, 0.3255, 0.3245



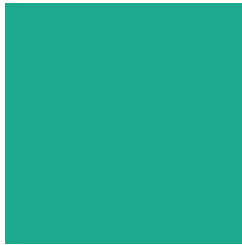
6.3784, 0.6037, 0.3099



0.1619, 0.5208, 0.2642

Previews

White Background



This preview shows how the Yxy color 30.5602, 0.2434, 0.3814 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 30.5602, 0.2434, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

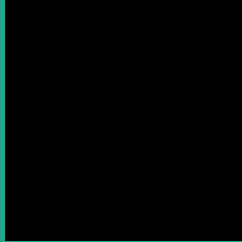
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5602, 0.2434, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 30.5602, 0.2434, 0.3814.

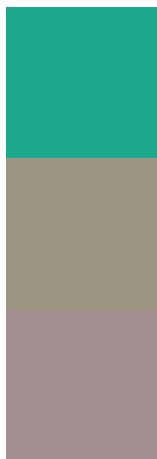


This preview shows how white text looks on a background with the Yxy color 30.5602, 0.2434, 0.3814.

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

30.5602, 0.2434, 0.3814

Protanopia

30.1745, 0.3387, 0.3588

Deuteranopia

29.9144, 0.3321, 0.3260



Tritanopia

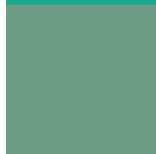
30.5375, 0.2288, 0.3066

Trichromacy



Original Color

30.5602, 0.2434, 0.3814



Protanomaly

28.8132, 0.2887, 0.3677



Deuteranomaly

28.4409, 0.2845, 0.3444



Tritanomaly

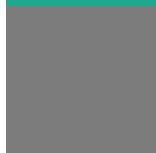
30.5336, 0.2336, 0.3323

Monochromacy



Original Color

30.5602, 0.2434, 0.3814



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.4917, 0.2715, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5602, 0.2434, 0.3814 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(29, 169, 141)` looks like.

```
.text, #text, p{  
    color:rgb(29, 169, 141)  
}
```

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(29, 169, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 169, 141) }
```

Border

The CSS property to change the border of an element to Yxy 30.5602, 0.2434, 0.3814 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(29, 169, 141) }
```

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

```
.border{ border-color:rgb(29, 169, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 169, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 169, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 169, 141);  
box-shadow:4px 4px 4px 4px rgb(29, 169,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5602, 0.2434, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 169, 141) }
```

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

```
.background{ background-color: rgb(29, 169,  
141) }
```

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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