

Converting Colors

$Y_{xy}(31.7078, 0.2534, 0.4149)$

Have a look what the booklet for
Yxy(31.7078, 0.2534, 0.4149)
contains.

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Color

Yxy(31.7370, 0.2531, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	1FAD80
RGB	31, 173, 128
RGB Percent	12%, 68%, 50%
CMY	0.8787, 0.3215, 0.4981
CMYK	0.82, 0.00, 0.26, 0.32
HSL	161°, 70%, 40%
HSV	161°, 82%, 68%
XYZ	19.4025, 31.7370, 25.5199
YIQ	125.4120, -70.1870, -44.0990

Conversions

Conversions Part 2

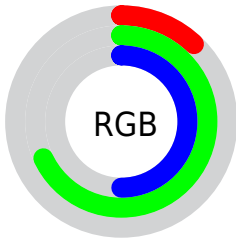
Format	Color
RYB	31, 115, 173
Decimal	2076032
CIELab	63.12, -46.65, 13.11
CIElCh	63, 48.459, 164.303
Yxy	31.7370, 0.2531, 0.4140
Android (android.graphics.Color)	4280266112 (0xFF1FAD80)
YUV	125.4120, 1.2759, -82.7993
Hunter-Lab	56.3356, -37.1103, 12.5767

Details

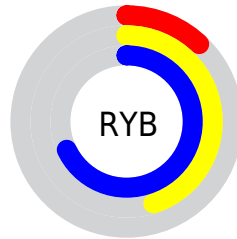
The Yxy color **31.7370, 0.2531, 0.4140** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.3827, 0.5109, 0.2788**, and the grayscale version is **20.6614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1996, 0.2656, 0.3948**, and **13.7582, 0.2551, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **31.3979, 0.2532, 0.4259**, and if you desaturate by 10%, it is **32.2304, 0.2550, 0.4020**.

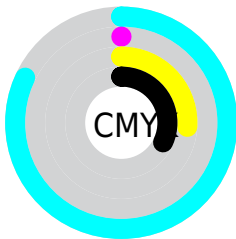
Distribution



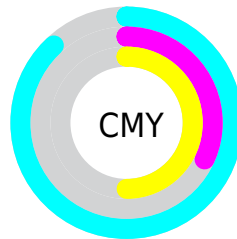
- Red (12%)
- Green (68%)
- Blue (50%)



- Red (12%)
- Yellow (45%)
- Blue (68%)



- Cyan (82%)
- Magenta (0%)
- Yellow (26%)
- Black (32%)





- Cyan (88%)
- Magenta (32%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7370, 0.2531, 0.4140 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 31.7370, 0.2531, 0.4140 by changing the saturation by 10% instead.


 31.7370, 0.2531,
0.4140


 31.7370, 0.2531,
0.4140


309.9195, 0.2857,
0.3666


 21.1607, 0.2439,
0.4277


 62.3986, 0.2657,
0.3954

 13.2415, 0.2315,
0.4467


 83.2526, 0.2702,
0.3889

 7.5951, 0.2137,
0.4744


 108.3014, 0.2739,
0.3835

 3.8370, 0.1865,
0.5184

 137.9292, 0.2770,
0.3790

 1.5828, 0.0972,
0.6355

 172.5205, 0.2797,
0.3752

 0.3459, 0.0000,
1.0000

 212.4598, 0.2820,

 0.0000, 0.0000,

0.3719

0.0000

258.1313, 0.2840,
0.3691

■ 31.7370, 0.2531,
0.4140

■ 31.7370, 0.2531,
0.4140

■ 31.3979, 0.2532,
0.4259

■ 32.2304, 0.2550,
0.4020

■ 31.2022, 0.2542,
0.4353

■ 32.8946, 0.2587,
0.3901

■ 33.7483, 0.2643,
0.3786

■ 34.8062, 0.2715,
0.3675

■ 36.0821, 0.2800,
0.3571

■ 37.5880, 0.2895,
0.3475

■ 39.3355, 0.2997,
0.3386

■ 41.3350, 0.3104,
0.3306

■ 43.5967, 0.3213,
0.3234

Harmonies

Analogous

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



31.7370, 0.3236, 0.4659



31.7370, 0.2531, 0.4140



31.7370, 0.2024, 0.3321

Triad

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



31.7370, 0.2531, 0.4140



31.7370, 0.2243, 0.2128



31.7370, 0.4649, 0.3658

Complementary

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



31.7370, 0.2531, 0.4140



10.3827, 0.5109, 0.2788

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.



31.7370, 0.4338, 0.3100



31.7370, 0.2531, 0.4140



31.7370, 0.2862, 0.2267

Square

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



31.7370, 0.2531, 0.4140



31.7370, 0.1888, 0.2234



31.7370, 0.3645, 0.2611



31.7370, 0.4482, 0.4211

Rectangle

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



31.7370, 0.2531, 0.4140



31.7370, 0.1848, 0.2828



31.7370, 0.3645, 0.2611



31.7370, 0.4599, 0.3469

Sweetspot

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



31.7382, 0.2531, 0.4140



66.3709, 0.2863, 0.3506



31.6205, 0.3255, 0.5606



14.2252, 0.2830, 0.3539



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.



31.7382, 0.2531, 0.4140



55.8742, 0.2546, 0.4361



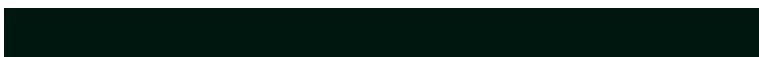
24.9066, 0.2169, 0.2857



9.0282, 0.3027, 0.3363



22.9313, 0.2539, 0.4340



0.6473, 0.2439, 0.3982

Inverse Universe

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



10.3827, 0.5109, 0.2788



16.4363, 0.5704, 0.2923



11.6794, 0.5695, 0.3533



8.0556, 0.3238, 0.3218



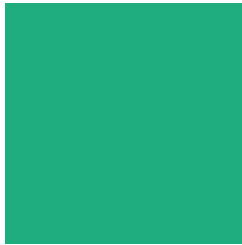
6.7375, 0.5662, 0.2893



0.1975, 0.4805, 0.2421

Previews

White Background



This preview shows how the Yxy color 31.7370, 0.2531, 0.4140 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 31.7370, 0.2531, 0.4140 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 31.7370, 0.2531, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 31.7370, 0.2531, 0.4140.



This preview shows how white text looks on a background with the Yxy color 31.7370, 0.2531, 0.4140.

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

31.7370, 0.2531, 0.4140

Protanopia

31.1226, 0.3567, 0.3797

Deuteranopia

31.1632, 0.3540, 0.3468



Tritanopia

31.5919, 0.2306, 0.3053

Trichromacy



Original Color

31.7370, 0.2531, 0.4140



Protanomaly

29.7788, 0.3023, 0.3940



Deuteranomaly

29.5078, 0.3003, 0.3702



Tritanomaly

31.6530, 0.2382, 0.3429

Monochromacy



Original Color

31.7370, 0.2531, 0.4140



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.0765, 0.2770, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7370, 0.2531, 0.4140 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(31, 173, 128)` looks like.

```
.text, #text, p{  
  color:rgb(31, 173, 128)  
}
```

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(31, 173, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 173, 128) }
```

Border

The CSS property to change the border of an element to Yxy 31.7370, 0.2531, 0.4140 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(31, 173, 128) }
```

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

```
.border{ border-color:rgb(31, 173, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 173, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 173, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 173, 128);  
box-shadow:4px 4px 4px 4px rgb(31, 173,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7370, 0.2531, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 173, 128) }
```

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

```
.background{ background-color: rgb(31, 173,  
128) }
```

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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