

Converting Colors

$Y_{xy}(31.7886, 0.2589, 0.4234)$

Have a look what the booklet for
Yxy(31.7886, 0.2589, 0.4234)
contains.

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Color

Yxy(31.7886, 0.2589, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	29AD7B
RGB	41, 173, 123
RGB Percent	16%, 68%, 48%
CMY	0.8386, 0.3216, 0.5176
CMYK	0.76, 0.00, 0.29, 0.32
HSL	157°, 62%, 42%
HSV	157°, 76%, 68%
XYZ	19.4380, 31.7886, 23.8527
YIQ	127.8320, -62.6220, -43.5340

Conversions

Conversions Part 2

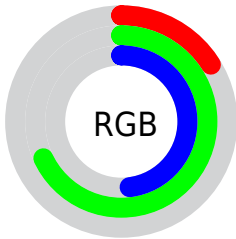
Format	Color
RYB	41, 122, 173
Decimal	2731387
CIELab	63.17, -46.66, 15.93
CIELCh	63, 49.302, 161.148
Yxy	31.7886, 0.2589, 0.4234
Android (android.graphics.Color)	4280921467 (0xFF29AD7B)
YUV	127.8320, -2.3822, -76.1517
Hunter-Lab	56.3814, -37.1278, 14.3837

Details

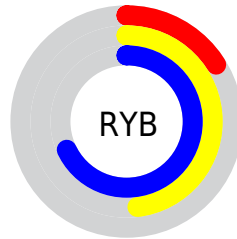
The Yxy color **31.7886, 0.2589, 0.4234** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.2381, 0.4720, 0.2662**, and the grayscale version is **21.5658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2990, 0.2703, 0.4016**, and **13.6881, 0.2591, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **31.3488, 0.2584, 0.4380**, and if you desaturate by 10%, it is **32.3983, 0.2614, 0.4089**.

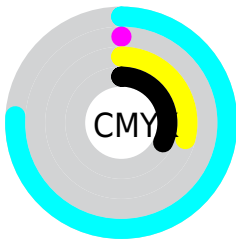
Distribution



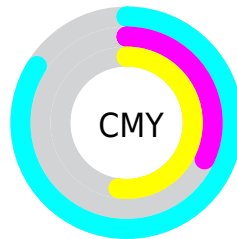
- Red (16%)
- Green (68%)
- Blue (48%)



- Red (16%)
- Yellow (48%)
- Blue (68%)



- Cyan (76%)
- Magenta (0%)
- Yellow (29%)
- Black (32%)




- Cyan (84%)
- Magenta (32%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7886, 0.2589, 0.4234 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 31.7886, 0.2589, 0.4234 by changing the saturation by 10% instead.

 31.7886, 0.2589,
0.4234

 31.7886, 0.2589,
0.4234


310.1551, 0.2887,
0.3704

 21.2001, 0.2503,
0.4389


 62.4795, 0.2705,
0.4026


 13.2703, 0.2386,
0.4603


 83.3507, 0.2746,
0.3953


 7.6150, 0.2216,
0.4917

 108.4183, 0.2780,
0.3893

 3.8496, 0.1951,
0.5417

 138.0666, 0.2809,
0.3843

 1.5898, 0.1067,
0.6883

 172.6800, 0.2833,
0.3800

 0.3507, 0.0000,
1.0000

212.6430, 0.2854,

 0.0000, 0.0000,

0.3764

0.0000

258.3399, 0.2872,
0.3732

■ 31.7886, 0.2589,
0.4234

■ 31.7886, 0.2589,
0.4234

■ 31.3488, 0.2584,
0.4380

■ 32.3983, 0.2614,
0.4089

■ 31.0507, 0.2597,
0.4523

■ 33.1926, 0.2658,
0.3946

■ 30.9550, 0.2605,
0.4576

■ 34.1886, 0.2718,
0.3809

■ 35.4004, 0.2792,
0.3679

■ 36.8409, 0.2876,
0.3559

■ 38.5219, 0.2968,
0.3448

■ 40.4544, 0.3065,
0.3347

■ 42.6486, 0.3165,
0.3257

■ 45.1142, 0.3265,
0.3176

Harmonies

Analogous

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



31.7886, 0.3315, 0.4707



31.7886, 0.2589, 0.4234



31.7886, 0.2048, 0.3408

Triad

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



31.7886, 0.2589, 0.4234



31.7886, 0.2179, 0.2111



31.7886, 0.4664, 0.3600

Complementary

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



31.7886, 0.2589, 0.4234



11.2381, 0.4720, 0.2662

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.



31.7886, 0.4299, 0.3039



31.7886, 0.2589, 0.4234



31.7886, 0.2780, 0.2228

Square

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



31.7886, 0.2589, 0.4234



31.7886, 0.1849, 0.2245



31.7886, 0.3568, 0.2556



31.7886, 0.4541, 0.4166

Rectangle

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



31.7886, 0.2589, 0.4234



31.7886, 0.1849, 0.2890



31.7886, 0.3568, 0.2556



31.7886, 0.4596, 0.3408

Sweetspot

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



31.7899, 0.2589, 0.4234



66.7863, 0.2902, 0.3527



32.3057, 0.3325, 0.5444



14.2980, 0.2870, 0.3567



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.



31.7899, 0.2589, 0.4234



55.7833, 0.2591, 0.4471



27.8135, 0.2236, 0.3015



9.0198, 0.3035, 0.3377



22.7542, 0.2600, 0.4561



0.6432, 0.2480, 0.4129

Inverse Universe

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



11.2381, 0.4720, 0.2662



17.2932, 0.5233, 0.2717



11.9255, 0.5544, 0.3466



8.0637, 0.3229, 0.3204



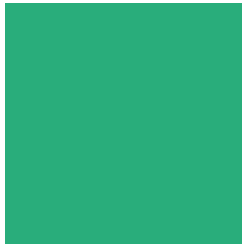
6.8226, 0.5423, 0.2761



0.2006, 0.4607, 0.2311

Previews

White Background



This preview shows how the Yxy color 31.7886, 0.2589, 0.4234 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 31.7886, 0.2589, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

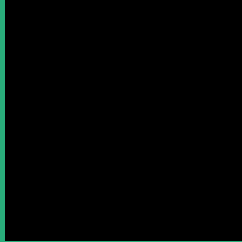
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7886, 0.2589, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 31.7886, 0.2589, 0.4234.



This preview shows how white text looks on a background with the Yxy color 31.7886, 0.2589, 0.4234.

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

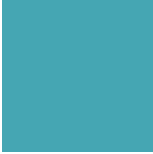
31.7886, 0.2589, 0.4234

Protanopia

31.4353, 0.3624, 0.3886

Deuteranopia

31.1414, 0.3604, 0.3541



Tritanopia

31.7923, 0.2340, 0.3071

Trichromacy



Original Color

31.7886, 0.2589, 0.4234



Protanomaly

30.3479, 0.3111, 0.4036



Deuteranomaly

29.7449, 0.3094, 0.3784



Tritanomaly

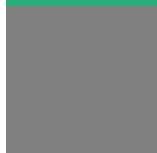
31.8089, 0.2423, 0.3464

Monochromacy



Original Color

31.7886, 0.2589, 0.4234



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.9397, 0.2818, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7886, 0.2589, 0.4234 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(41, 173, 123)` looks like.

```
.text, #text, p{  
  color:rgb(41, 173, 123)  
}
```

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(41, 173, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 173, 123) }
```

Border

The CSS property to change the border of an element to Yxy 31.7886, 0.2589, 0.4234 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(41, 173, 123) }
```

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

```
.border{ border-color:rgb(41, 173, 123) }
```

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

Here you see how a box with a 4 pixel rgb(41, 173, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 173, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 173, 123);  
box-shadow:4px 4px 4px 4px rgb(41, 173,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7886, 0.2589, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 173, 123) }
```

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

```
.background{ background-color: rgb(41, 173,  
123) }
```

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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