

Converting Colors

$Y_{xy}(29.6256, 0.2255, 0.4604)$

Have a look what the booklet for
Yxy(29.6256, 0.2255, 0.4604)
contains.

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Color

Yxy(31.4420, 0.2582, 0.4495)

Conversions

Conversions Part 1

Format	Color
Hex	00AE70
RGB	0, 174, 112
RGB Percent	0%, 68%, 44%
CMY	0.9999, 0.3176, 0.5608
CMYK	1.00, 0.00, 0.36, 0.32
HSL	159°, 100%, 34%
HSV	159°, 100%, 68%
XYZ	18.0608, 31.4420, 20.4460
YIQ	114.9060, -83.8020, -56.1700

Conversions

Conversions Part 2

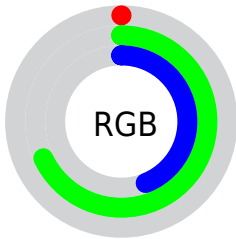
Format	Color
RYB	0, 106, 174
Decimal	44656
CIELab	62.88, -52.54, 21.47
CIELCh	63, 56.758, 157.774
Yxy	31.4420, 0.2582, 0.4495
Android (android.graphics.Color)	4278234736 (0xFF00AE70)
YUV	114.9060, -1.4327, -100.7726
Hunter-Lab	56.0732, -40.6344, 17.6322

Details

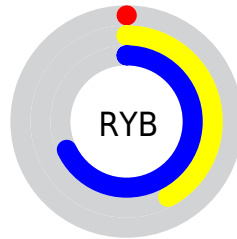
The Yxy color **31.4420, 0.2582, 0.4495** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.3476, 0.5541, 0.2826**, and the grayscale version is **17.1407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1593, 0.2707, 0.4229**, and **13.8031, 0.2676, 0.4834** is the 20% darker color. If you saturate the color by 10%, you get **31.4429, 0.2582, 0.4495**, and if you desaturate by 10%, it is **31.7092, 0.2566, 0.4361**.

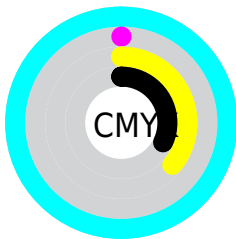
Distribution



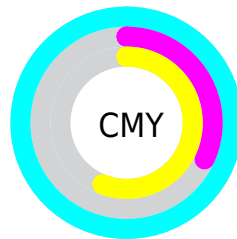
- Red (0%)
- Green (68%)
- Blue (44%)



- Red (0%)
- Yellow (42%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (32%)




- Cyan (100%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4420, 0.2582, 0.4495 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 31.4420, 0.2582, 0.4495 by changing the saturation by 10% instead.

 31.4420, 0.2582,
0.4495


 31.4420, 0.2582,
0.4495

308.5695, 0.2893,
0.3810

 20.9357, 0.2489,
0.4698


 61.9353, 0.2705,
0.4224

 13.0770, 0.2361,
0.4981


 82.6910, 0.2748,
0.4129

 7.4816, 0.2170,
0.5398


 107.6320, 0.2783,
0.4051

 3.7651, 0.1864,
0.6063

 137.1426, 0.2813,
0.3987

 1.5430, 0.0435,
0.9256

 171.6073, 0.2837,
0.3932

 0.3187, 0.0000,
1.0000

 211.4104, 0.2858,

 0.0000, 0.0000,

0.3886

0.0000

256.9363, 0.2877,
0.3846

■ 31.4420, 0.2582,
0.4495

■ 31.4420, 0.2582,
0.4495

■ 31.4429, 0.2582,
0.4495

■ 31.7092, 0.2566,
0.4361

■ 32.0929, 0.2566,
0.4226

■ 32.6373, 0.2585,
0.4089

■ 33.3620, 0.2624,
0.3954

■ 34.2841, 0.2680,
0.3824

■ 35.4184, 0.2751,
0.3700

■ 36.7785, 0.2835,
0.3584

■ 38.3765, 0.2927,
0.3476

■ 40.2240, 0.3025,
0.3378

Harmonies

Analogous

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



31.4420, 0.3412, 0.4962



31.4420, 0.2582, 0.4495



31.4420, 0.1948, 0.3526

Triad

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



31.4420, 0.2582, 0.4495



31.4420, 0.1996, 0.1964



31.4420, 0.4875, 0.3537

Complementary

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



31.4420, 0.2582, 0.4495



9.3476, 0.5541, 0.2826

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.



31.4420, 0.4400, 0.2925



31.4420, 0.2582, 0.4495



31.4420, 0.2633, 0.2069

Square

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



31.4420, 0.2582, 0.4495



31.4420, 0.1669, 0.2136



31.4420, 0.3522, 0.2408



31.4420, 0.4771, 0.4178

Rectangle

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



31.4420, 0.2582, 0.4495



31.4420, 0.1709, 0.2904



31.4420, 0.3522, 0.2408



31.4420, 0.4780, 0.3327

Sweetspot

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



31.4432, 0.2582, 0.4495



66.5648, 0.2830, 0.3590



31.3571, 0.3208, 0.5835



14.5589, 0.2794, 0.3637



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.4432, 0.2582, 0.4495



56.9883, 0.2588, 0.4518



25.1270, 0.2129, 0.2865



9.0229, 0.3032, 0.3372



22.8165, 0.2578, 0.4480



0.6446, 0.2465, 0.4075

Inverse Universe

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



9.3476, 0.5541, 0.2826



16.9150, 0.5586, 0.2851



9.6207, 0.6276, 0.3398



8.0607, 0.3233, 0.3209



6.7896, 0.5513, 0.2810



0.1995, 0.4677, 0.2350

Previews

White Background



This preview shows how the Yxy color 31.4420, 0.2582, 0.4495 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 31.4420, 0.2582, 0.4495 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 31.4420, 0.2582, 0.4495

Background



This preview shows how black text looks on a background with the Yxy color 31.4420, 0.2582, 0.4495.



This preview shows how white text looks on a background with the Yxy color 31.4420, 0.2582, 0.4495.

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

31.4420, 0.2582, 0.4495

Protanopia

30.9850, 0.3747, 0.4035

Deuteranopia

30.9298, 0.3748, 0.3670



Tritanopia

31.5192, 0.2307, 0.3069

Trichromacy



Original Color

31.4420, 0.2582, 0.4495



Protanomaly

28.7799, 0.3064, 0.4258



Deuteranomaly

28.5486, 0.3065, 0.4005



Tritanomaly

31.1738, 0.2379, 0.3541

Monochromacy



Original Color

31.4420, 0.2582, 0.4495



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.2397, 0.2707, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4420, 0.2582, 0.4495 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(0, 174, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 112)  
}
```

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(0, 174, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 112) }
```

Border

The CSS property to change the border of an element to Yxy 31.4420, 0.2582, 0.4495 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(0, 174, 112) }
```

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

```
.border{ border-color:rgb(0, 174, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4420, 0.2582, 0.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 112) }
```

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

```
.background{ background-color: rgb(0, 174,  
112) }
```

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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