

Converting Colors

$Y_{xy}(29.4810, 0.2510, 0.4235)$

Have a look what the booklet for
Yxy(29.4810, 0.2510, 0.4235)
contains.

| | |
|--|----|
| Yxy(29.3613, 0.2511, 0.4238) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

$\text{Yxy}(29.3613, 0.2511, 0.4238)$

Conversions

| Conversions Part 1 | |
|--------------------|------------------------------|
| Format | Color |
| Hex | 00A878 |
| RGB | 0, 168, 120 |
| RGB Percent | 0%, 66%, 47% |
| CMY | 0.9986, 0.3412, 0.5294 |
| CMYK | 1.00, 0.00, 0.29, 0.34 |
| HSL | 163°, 100%, 33% |
| HSV | 163°, 100%, 66% |
| XYZ | 17.3965, 29.3613, 22.5233 |
| YIQ | 112.2960, -84.7200, -50.5440 |

Conversions

Conversions Part 2

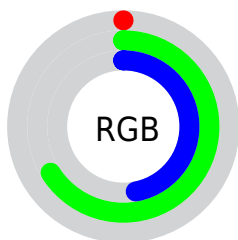
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 98, 168 |
| Decimal | 43128 |
| CIELab | 61.10, -48.44, 14.65 |
| CIELCh | 61, 50.604, 163.175 |
| Yxy | 29.3613, 0.2511, 0.4238 |
| Android (android.graphics.Color) | 4278233208 (0xFF00A878) |
| YUV | 112.2960, 3.7981, -98.4836 |
| Hunter-Lab | 54.1861, -37.5181, 13.2855 |

Details

The Yxy color **29.3613, 0.2511, 0.4238** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5482, 0.5787, 0.2964**, and the grayscale version is **16.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5140, 0.2645, 0.4029**, and **12.7164, 0.2594, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **29.3577, 0.2511, 0.4240**, and if you desaturate by 10%, it is **29.6005, 0.2502, 0.4132**.

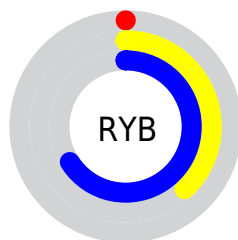
Distribution



Red (0%)

Green (66%)

Blue (47%)



Red (0%)

Yellow (38%)

Blue (66%)

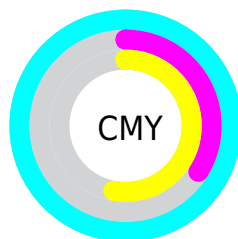


Cyan (100%)

Magenta (0%)

Yellow (29%)

Black (34%)



Cyan (100%)


Magenta (34%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3613, 0.2511, 0.4238 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 29.3613, 0.2511, 0.4238 by changing the saturation by 10% instead.


 29.3613, 0.2511,
0.4238


 29.3613, 0.2511,
0.4238

298.9159, 0.2854,
0.3700

 19.3543, 0.2412,
0.4398


 58.6506, 0.2645,
0.4025

 11.9266, 0.2276,
0.4621


 78.7018, 0.2693,
0.3951

 6.6937, 0.2078,
0.4953


 102.8697, 0.2732,
0.3890

 3.2713, 0.1768,
0.5491

 131.5389, 0.2764,
0.3839

 1.2750, 0.0000,
0.8025

 165.0937, 0.2792,
0.3796

 0.1217, 0.0000,
1.0000


 203.9186, 0.2816,


 0.0000, 0.0000,

0.3760


0.0000


248.3978, 0.2836,
0.3728


 29.3613, 0.2511,
0.4238


 29.3613, 0.2511,
0.4238


 29.3577, 0.2511,
0.4240

 29.6005, 0.2502,
0.4132


 29.9448, 0.2509,
0.4025


 30.4346, 0.2535,
0.3918


 31.0880, 0.2580,
0.3813

 31.9201, 0.2642,
0.3711

 32.9447, 0.2720,
0.3613

 34.1740, 0.2811,
0.3522

 35.6191, 0.2911,
0.3437

 37.2905, 0.3018,
0.3359

Harmonies

Analogous

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



29.3613, 0.3263, 0.4776



29.3613, 0.2511, 0.4238



29.3613, 0.1968, 0.3350

Triad

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



29.3613, 0.2511, 0.4238



29.3613, 0.2168, 0.2059



29.3613, 0.4751, 0.3644

Complementary

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



29.3613, 0.2511, 0.4238



8.5482, 0.5787, 0.2964

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.



29.3613, 0.4403, 0.3060



29.3613, 0.2511, 0.4238



29.3613, 0.2812, 0.2198

Square

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



29.3613, 0.2511, 0.4238



29.3613, 0.1807, 0.2176



29.3613, 0.3647, 0.2551



29.3613, 0.4581, 0.4235

Rectangle

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



29.3613, 0.2511, 0.4238



29.3613, 0.1777, 0.2815



29.3613, 0.3647, 0.2551



29.3613, 0.4693, 0.3445

Sweetspot

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



29.3625, 0.2511, 0.4238



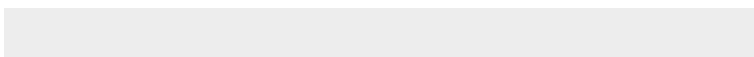
61.8339, 0.2803, 0.3529



28.6992, 0.3146, 0.5882



13.2736, 0.2766, 0.3565



84.8088, 0.3127, 0.3290



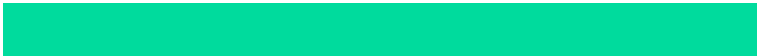
15.4872, 0.3127, 0.3290

Same Dimension

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



29.3625, 0.2511, 0.4238



53.2381, 0.2516, 0.4259



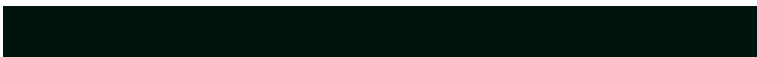
20.0090, 0.2068, 0.2641



8.4949, 0.3024, 0.3355



22.1801, 0.2508, 0.4230



0.5478, 0.2411, 0.3880

Inverse Universe

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



8.5482, 0.5787, 0.2964



15.4629, 0.5838, 0.2990



9.4624, 0.6161, 0.3487



7.5763, 0.3243, 0.3226



6.4561, 0.5768, 0.2951



0.1657, 0.4857, 0.2449

Previews

White Background



This preview shows how the Yxy color 29.3613, 0.2511, 0.4238 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3613, 0.2511, 0.4238 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 × Fail

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

Yxy 29.3613, 0.2511, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 29.3613, 0.2511, 0.4238.



This preview shows how white text looks on a background with the Yxy color 29.3613, 0.2511, 0.4238.

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

29.3613, 0.2511, 0.4238

Protanopia

28.8517, 0.3612, 0.3860

Deuteranopia

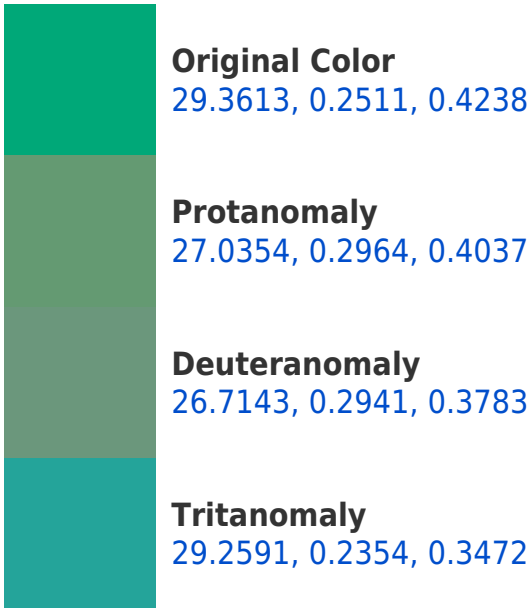
28.8809, 0.3587, 0.3519



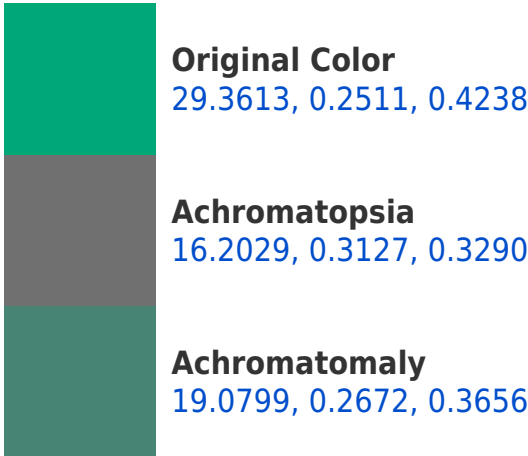
Tritanopia

29.3865, 0.2294, 0.3062

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3613, 0.2511, 0.4238 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, 168, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 120)  
}
```

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, 168, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 120) }
```

Border

The CSS property to change the border of an element to Yxy 29.3613, 0.2511, 0.4238 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, 168, 120) }
```

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

```
.border{ border-color:rgb(0, 168, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 168, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3613, 0.2511, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 120) }
```

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

```
.background{ background-color: rgb(0, 168,  
120) }
```

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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