

Converting Colors

Yxy(58.7405, 0.2513, 0.4248)

Have a look what the booklet for
Yxy(58.7405, 0.2513, 0.4248)
contains.

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Color

Yxy(58.7190, 0.2515, 0.4253)

Conversions

Conversions Part 1	
Format	Color
Hex	00E5A4
RGB	0, 229, 164
RGB Percent	0%, 90%, 64%
CMY	0.9984, 0.1020, 0.3569
CMYK	1.00, 0.00, 0.28, 0.10
HSL	163°, 100%, 45%
HSV	163°, 100%, 90%
XYZ	34.7233, 58.7190, 44.6226
YIQ	153.1190, -115.6190, -68.7630

Conversions

Conversions Part 2

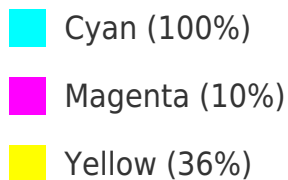
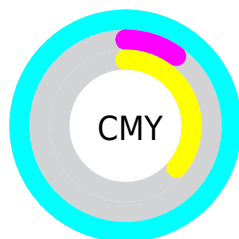
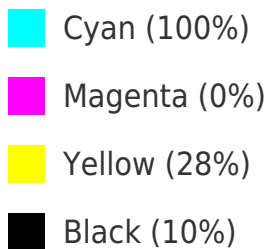
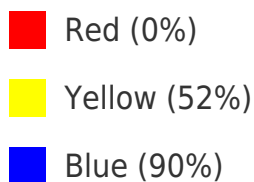
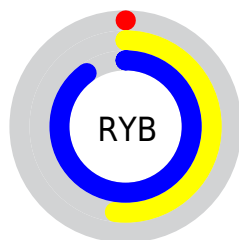
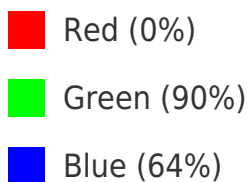
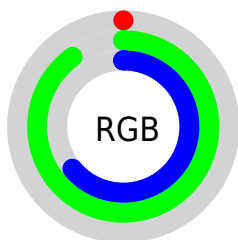
Format	Color
RYB	0, 133, 229
Decimal	58788
CIELab	81.14, -61.26, 18.92
CIELCh	81, 64.113, 162.836
Yxy	58.7190, 0.2515, 0.4253
Android (android.graphics.Color)	4278248868 (0xFF00E5A4)
YUV	153.1190, 5.3643, -134.2854
Hunter-Lab	76.6283, -53.2142, 19.1138

Details

The Yxy color **58.7190, 0.2515, 0.4253** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.0536, 0.5845, 0.2995**, and the grayscale version is **31.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8857, 0.2560, 0.3728**, and **30.6749, 0.2574, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **58.7143, 0.2515, 0.4255**, and if you desaturate by 10%, it is **59.1459, 0.2502, 0.4146**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7190, 0.2515, 0.4253 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 58.7190, 0.2515, 0.4253 by changing the saturation by 10% instead.


 58.7190, 0.2515,
0.4253


 58.7190, 0.2515,
0.4253

419.8598, 0.2821,
0.3762


 42.3870, 0.2439,
0.4378


 102.9692, 0.2626,
0.4073


 29.4044, 0.2342,
0.4539


 131.6560, 0.2668,
0.4006

 19.3870, 0.2214,
0.4755


 165.2300, 0.2703,
0.3949

 11.9502, 0.2038,
0.5057

 204.0755, 0.2734,
0.3901

 6.7098, 0.1784,
0.5508

 248.5768, 0.2760,
0.3859

 3.2813, 0.1386,
0.6239


299.1183, 0.2783,


 1.2803, 0.0000,


0.3822


0.9848

356.0845, 0.2803,
0.3790


 0.1259, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 58.7190, 0.2515,
0.4253


 58.7190, 0.2515,
0.4253

 58.7143, 0.2515,
0.4255

 59.1459, 0.2502,
0.4146


 59.7995, 0.2505,
0.4038

 60.7491, 0.2528,
0.3930


 62.0344, 0.2572,
0.3823

 63.6887, 0.2634,
0.3719

 65.7414, 0.2712,
0.3619

 68.2187, 0.2804,
0.3526

 71.1446, 0.2906,
0.3440

 74.5412, 0.3015,
0.3360

Harmonies

Analogous

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



58.7190, 0.3272, 0.4788



58.7190, 0.2515, 0.4253



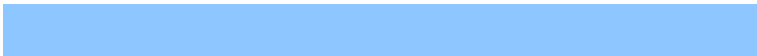
58.7190, 0.1966, 0.3360

Triad

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



58.7190, 0.2515, 0.4253



58.7190, 0.2157, 0.2053



58.7190, 0.4758, 0.3638

Complementary

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



58.7190, 0.2515, 0.4253



17.0536, 0.5845, 0.2995

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.



58.7190, 0.4403, 0.3052



58.7190, 0.2515, 0.4253



58.7190, 0.2801, 0.2190

Square

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



58.7190, 0.2515, 0.4253



58.7190, 0.1798, 0.2173



58.7190, 0.3640, 0.2543



58.7190, 0.4593, 0.4232

Rectangle

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



58.7190, 0.2515, 0.4253



58.7190, 0.1773, 0.2820



58.7190, 0.3640, 0.2543



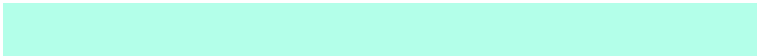
58.7190, 0.4699, 0.3438

Sweetspot

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



58.7213, 0.2515, 0.4253



86.9414, 0.2800, 0.3529



57.3043, 0.3134, 0.5893



18.3093, 0.2760, 0.3568



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



58.7213, 0.2515, 0.4253



74.9174, 0.2517, 0.4261



39.6439, 0.2063, 0.2627



16.2628, 0.3019, 0.3358



33.5917, 0.2511, 0.4238



2.4981, 0.2467, 0.4082

Inverse Universe

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



17.0536, 0.5845, 0.2995



21.7347, 0.5865, 0.3005



18.6235, 0.6192, 0.3463



14.4350, 0.3248, 0.3223



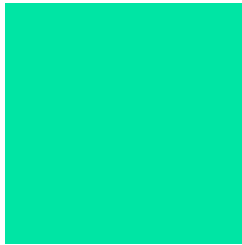
9.7612, 0.5811, 0.2975



0.7369, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 58.7190, 0.2515, 0.4253 looks on a white background.

Color Contrast Check

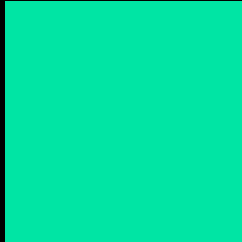
Large Text (above 18pt) WCAG AA × Fail

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 58.7190, 0.2515, 0.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

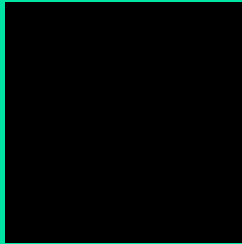
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7190, 0.2515, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 58.7190, 0.2515, 0.4253.



This preview shows how white text looks on a background with the Yxy color 58.7190, 0.2515, 0.4253.

Color Blindness Simulation

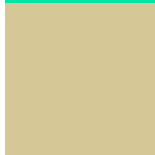
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



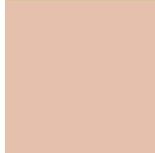
Original Color

58.7190, 0.2515, 0.4253



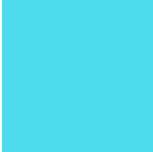
Protanopia

57.3450, 0.3623, 0.3872



Deuteranopia

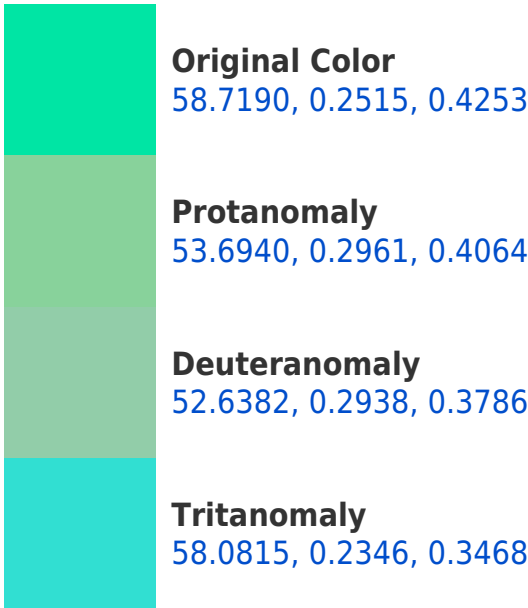
57.3358, 0.3597, 0.3519



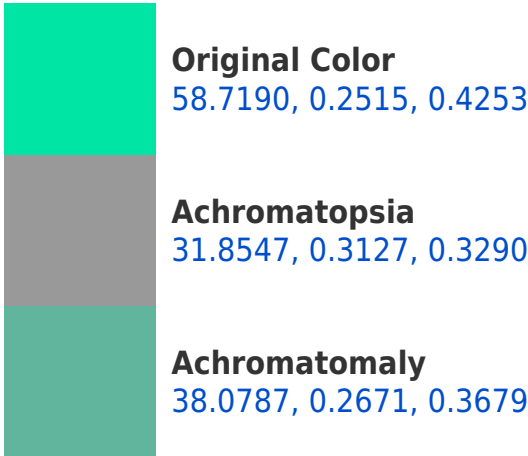
Tritanopia

58.8373, 0.2286, 0.3067

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7190, 0.2515, 0.4253 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, 229, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 164)  
}
```

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, 229, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 164) }
```

Border

The CSS property to change the border of an element to Yxy 58.7190, 0.2515, 0.4253 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, 229, 164) }
```

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

```
.border{ border-color:rgb(0, 229, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 229, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7190, 0.2515, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 164) }
```

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

```
.background{ background-color: rgb(0, 229,  
164) }
```

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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