

Converting Colors

Yxy(62.5923, 0.2480, 0.4127)

Have a look what the booklet for
Yxy(62.5923, 0.2480, 0.4127)
contains.

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Color

Yxy(62.5910, 0.2478, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	00EBB1
RGB	0, 235, 177
RGB Percent	0%, 92%, 69%
CMY	0.9986, 0.0784, 0.3059
CMYK	1.00, 0.00, 0.25, 0.08
HSL	165°, 100%, 46%
HSV	165°, 100%, 92%
XYZ	37.6458, 62.5910, 51.6832
YIQ	158.1230, -121.4420, -67.8580

Conversions

Conversions Part 2

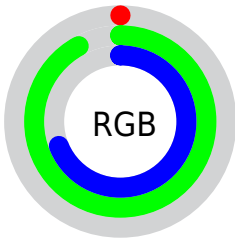
Format	Color
RYB	0, 134, 235
Decimal	60337
CIELab	83.23, -60.51, 15.07
CIELCh	83, 62.355, 166.016
Yxy	62.5910, 0.2478, 0.4120
Android (android.graphics.Color)	4278250417 (0xFF00EBB1)
YUV	158.1230, 9.3064, -138.6739
Hunter-Lab	79.1145, -53.5131, 16.6477

Details

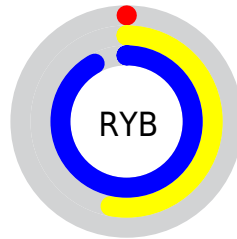
The Yxy color **62.5910, 0.2478, 0.4120** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.9793, 0.5970, 0.3063**, and the grayscale version is **34.2989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7827, 0.2507, 0.3551**, and **33.2960, 0.2530, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **62.5877, 0.2478, 0.4121**, and if you desaturate by 10%, it is **63.0202, 0.2468, 0.4028**.

Distribution



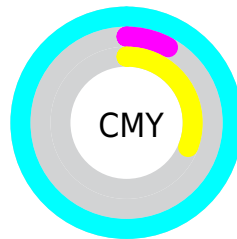
- Red (0%)
- Green (92%)
- Blue (69%)



- Red (0%)
- Yellow (53%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5910, 0.2478, 0.4120 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 62.5910, 0.2478, 0.4120 by changing the saturation by 10% instead.


 62.5910, 0.2478,
0.4120

 62.5910, 0.2478,
0.4120

434.0836, 0.2794,
0.3705


 45.5104, 0.2402,
0.4223


 108.5792, 0.2591,
0.3969


 31.8596, 0.2306,
0.4355


 138.2557, 0.2634,
0.3913


 21.2543, 0.2181,
0.4529


 172.8995, 0.2671,
0.3865

 13.3100, 0.2014,
0.4770

 212.8952, 0.2702,
0.3824

 7.6424, 0.1778,
0.5120

 258.6270, 0.2730,
0.3788

 3.8670, 0.1428,
0.5673

310.4794, 0.2754,

 1.5994, 0.0000,

0.3757

0.7473

368.8368, 0.2775,
0.3729

■ 0.3572, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.5910, 0.2478,
0.4120

■ 62.5910, 0.2478,
0.4120


■ 62.5877, 0.2478,
0.4121

■ 63.0202, 0.2468,
0.4028


■ 63.6872, 0.2474,
0.3935


■ 64.6653, 0.2500,
0.3842


■ 65.9966, 0.2547,
0.3750

 67.7168, 0.2612,
0.3661

 69.8570, 0.2693,
0.3576

 72.4452, 0.2789,
0.3495

 75.5068, 0.2895,
0.3420

 79.0656, 0.3010,
0.3351

Harmonies

Analogous

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



62.5910, 0.3192, 0.4683



62.5910, 0.2478, 0.4120



62.5910, 0.1978, 0.3273

Triad

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



62.5910, 0.2478, 0.4120



62.5910, 0.2252, 0.2105



62.5910, 0.4690, 0.3695

Complementary

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



62.5910, 0.2478, 0.4120



17.9793, 0.5970, 0.3063

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.



62.5910, 0.4401, 0.3124



62.5910, 0.2478, 0.4120



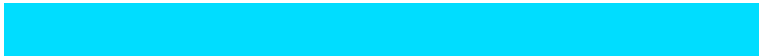
62.5910, 0.2898, 0.2260

Square

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



62.5910, 0.2478, 0.4120



62.5910, 0.1874, 0.2196



62.5910, 0.3704, 0.2620



62.5910, 0.4490, 0.4258

Rectangle

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



62.5910, 0.2478, 0.4120



62.5910, 0.1811, 0.2776



62.5910, 0.3704, 0.2620



62.5910, 0.4650, 0.3501

Sweetspot

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



62.5934, 0.2478, 0.4120



87.1053, 0.2786, 0.3497



60.3485, 0.3094, 0.5925



18.3487, 0.2744, 0.3531



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.



62.5934, 0.2478, 0.4120



75.3236, 0.2479, 0.4125



37.1844, 0.2013, 0.2447



17.0545, 0.3014, 0.3349



34.8538, 0.2474, 0.4107



2.7520, 0.2439, 0.3979

Inverse Universe

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



17.9793, 0.5970, 0.3063



21.6194, 0.5984, 0.3070



20.7927, 0.6098, 0.3539



15.1151, 0.3254, 0.3232



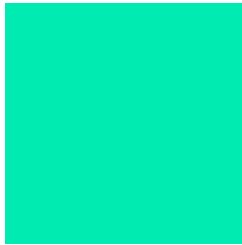
10.0175, 0.5935, 0.3043



0.8016, 0.5545, 0.2828

Previews

White Background



This preview shows how the Yxy color 62.5910, 0.2478, 0.4120 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 62.5910, 0.2478, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

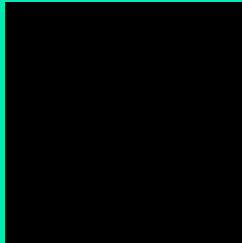
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5910, 0.2478, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 62.5910, 0.2478, 0.4120.

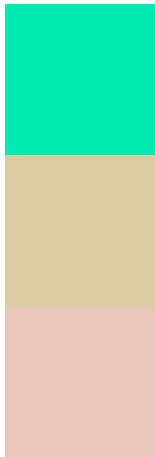


This preview shows how white text looks on a background with the Yxy color 62.5910, 0.2478, 0.4120.

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

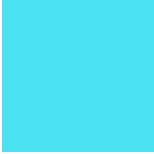
62.5910, 0.2478, 0.4120

Protanopia

61.3671, 0.3548, 0.3777

Deuteranopia

61.2146, 0.3511, 0.3435



Tritanopia

62.4202, 0.2275, 0.3059

Trichromacy



Original Color

62.5910, 0.2478, 0.4120



Protanomaly

57.4279, 0.2903, 0.3944



Deuteranomaly

56.2618, 0.2872, 0.3677



Tritanomaly

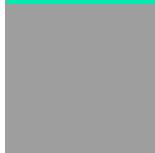
61.8343, 0.2324, 0.3408

Monochromacy



Original Color

62.5910, 0.2478, 0.4120



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.6011, 0.2649, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5910, 0.2478, 0.4120 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, 235, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 177)  
}
```

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, 235, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 177) }
```

Border

The CSS property to change the border of an element to Yxy 62.5910, 0.2478, 0.4120 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, 235, 177) }
```

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

```
.border{ border-color:rgb(0, 235, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5910, 0.2478, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 177) }
```

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

```
.background{ background-color: rgb(0, 235,  
177) }
```

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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