

Converting Colors

$Y_{xy}(62.0669, 0.2509, 0.4233)$

Have a look what the booklet for
Yxy(62.0669, 0.2509, 0.4233)
contains.

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Color

Yxy(62.2812, 0.2512, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	00EBA9
RGB	0, 235, 169
RGB Percent	0%, 92%, 66%
CMY	1.0000, 0.0784, 0.3373
CMYK	1.00, 0.00, 0.28, 0.08
HSL	163°, 100%, 46%
HSV	163°, 100%, 92%
XYZ	36.8639, 62.2812, 47.6061
YIQ	157.2110, -118.8740, -70.3460

Conversions

Conversions Part 2

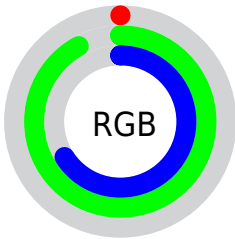
Format	Color
RYB	0, 137, 235
Decimal	60329
CIELab	83.06, -62.36, 19.00
CIELCh	83, 65.191, 163.055
Yxy	62.2812, 0.2512, 0.4244
Android (android.graphics.Color)	4278250409 (0xFF00EBA9)
YUV	157.2110, 5.8120, -137.8740
Hunter-Lab	78.9184, -54.7274, 19.4773

Details

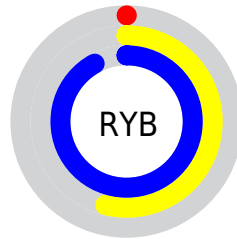
The Yxy color **62.2812, 0.2512, 0.4244** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.0576, 0.5866, 0.3005**, and the grayscale version is **33.8321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2168, 0.2542, 0.3664**, and **33.1251, 0.2569, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **62.2866, 0.2512, 0.4244**, and if you desaturate by 10%, it is **62.7290, 0.2499, 0.4139**.

Distribution



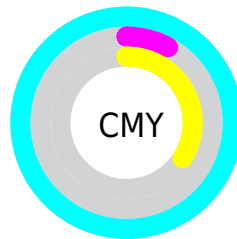
- Red (0%)
- Green (92%)
- Blue (66%)



- Red (0%)
- Yellow (54%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2812, 0.2512, 0.4244 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 62.2812, 0.2512, 0.4244 by changing the saturation by 10% instead.


 62.2812, 0.2512,
0.4244


 62.2812, 0.2512,
0.4244


432.9561, 0.2816,
0.3762


 45.2600, 0.2438,
0.4365


 108.1318, 0.2622,
0.4068


 31.6622, 0.2343,
0.4520


 137.7300, 0.2663,
0.4003

 21.1036, 0.2219,
0.4726


 172.2893, 0.2698,
0.3947

 13.1998, 0.2051,
0.5012

 212.1941, 0.2728,
0.3899

 7.5663, 0.1810,
0.5432

 257.8288, 0.2755,
0.3858

 3.8187, 0.1447,
0.6097

309.5777, 0.2778,

 1.5727, 0.0000,

0.3822

0.8646

367.8254, 0.2798,
0.3791

■ 0.3391, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2812, 0.2512,
0.4244

■ 62.2812, 0.2512,
0.4244

■ 62.2866, 0.2512,
0.4244

■ 62.7290, 0.2499,
0.4139

■ 63.4122, 0.2502,
0.4032

■ 64.4086, 0.2525,
0.3925

■ 65.7605, 0.2568,
0.3819

67.5038, 0.2630,
0.3716

69.6695, 0.2708,
0.3618

72.2859, 0.2800,
0.3525

75.3785, 0.2903,
0.3439

78.9710, 0.3012,
0.3361

Harmonies

Analogous

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



62.2812, 0.3267, 0.4781



62.2812, 0.2512, 0.4244



62.2812, 0.1966, 0.3354

Triad

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



62.2812, 0.2512, 0.4244



62.2812, 0.2164, 0.2056



62.2812, 0.4754, 0.3642

Complementary

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



62.2812, 0.2512, 0.4244



18.0576, 0.5866, 0.3005

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.



62.2812, 0.4404, 0.3057



62.2812, 0.2512, 0.4244



62.2812, 0.2808, 0.2194

Square

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



62.2812, 0.2512, 0.4244



62.2812, 0.1803, 0.2174



62.2812, 0.3645, 0.2548



62.2812, 0.4586, 0.4234

Rectangle

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



62.2812, 0.2512, 0.4244



62.2812, 0.1775, 0.2816



62.2812, 0.3645, 0.2548



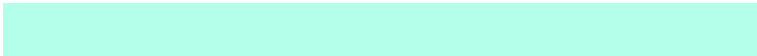
62.2812, 0.4696, 0.3443

Sweetspot

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



62.2866, 0.2512, 0.4244



86.9565, 0.2799, 0.3526



60.6013, 0.3118, 0.5906



18.3129, 0.2758, 0.3565



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.



62.2866, 0.2512, 0.4244



74.9538, 0.2514, 0.4248



40.3178, 0.2046, 0.2565



17.0455, 0.3019, 0.3357



34.6847, 0.2508, 0.4227



2.7399, 0.2467, 0.4080

Inverse Universe

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



18.0576, 0.5866, 0.3005



21.7232, 0.5876, 0.3011



20.0245, 0.6168, 0.3485



15.1236, 0.3249, 0.3224



10.0676, 0.5825, 0.2983



0.8065, 0.5431, 0.2766

Previews

White Background



This preview shows how the Yxy color 62.2812, 0.2512, 0.4244 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 62.2812, 0.2512, 0.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

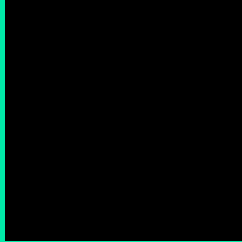
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.2812, 0.2512, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 62.2812, 0.2512, 0.4244.



This preview shows how white text looks on a background with the Yxy color 62.2812, 0.2512, 0.4244.

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

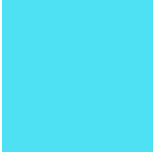
62.2812, 0.2512, 0.4244

Protanopia

61.0893, 0.3609, 0.3870

Deuteranopia

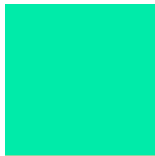
60.7690, 0.3594, 0.3513



Tritanopia

62.0018, 0.2280, 0.3047

Trichromacy



Original Color

62.2812, 0.2512, 0.4244



Protanomaly

57.1388, 0.2951, 0.4059



Deuteranomaly

56.1286, 0.2936, 0.3787



Tritanomaly

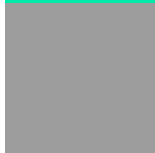
61.7265, 0.2339, 0.3450

Monochromacy



Original Color

62.2812, 0.2512, 0.4244



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.9805, 0.2666, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2812, 0.2512, 0.4244 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 169) }
```

Border

The CSS property to change the border of an element to Yxy 62.2812, 0.2512, 0.4244 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, 169) }
```

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

```
.border{ border-color:rgb(0, 235, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2812, 0.2512, 0.4244 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, 169) }
```

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

```
.background{ background-color: rgb(0, 235,  
169) }
```

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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