

Converting Colors

$Y_{xy}(60.0904, 0.2252, 0.4421)$

Have a look what the booklet for
Yxy(60.0904, 0.2252, 0.4421)
contains.

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Color

Yxy(63.2487, 0.2540, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	00EDA4
RGB	0, 237, 164
RGB Percent	0%, 93%, 64%
CMY	1.0000, 0.0706, 0.3570
CMYK	1.00, 0.00, 0.31, 0.07
HSL	162°, 100%, 46%
HSV	162°, 100%, 93%
XYZ	36.9824, 63.2487, 45.3690
YIQ	157.8150, -117.8190, -72.9470

Conversions

Conversions Part 2

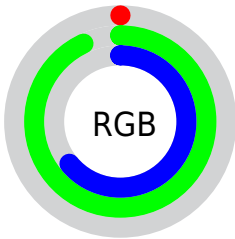
Format	Color
RYB	0, 140, 237
Decimal	60836
CIELab	83.57, -64.17, 22.30
CIELCh	84, 67.933, 160.840
Yxy	63.2487, 0.2540, 0.4344
Android (android.graphics.Color)	4278250916 (0xFF00EDA4)
YUV	157.8150, 3.0492, -138.4038
Hunter-Lab	79.5291, -56.1701, 21.8471

Details

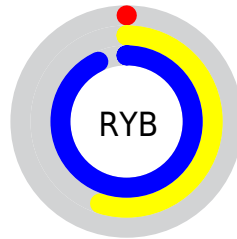
The Yxy color **63.2487, 0.2540, 0.4344** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.4870, 0.5773, 0.2954**, and the grayscale version is **34.1300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0140, 0.2567, 0.3727**, and **33.8124, 0.2604, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **63.2515, 0.2540, 0.4344**, and if you desaturate by 10%, it is **63.7135, 0.2524, 0.4228**.

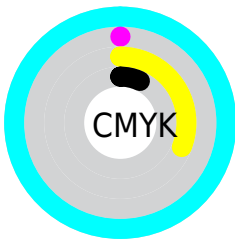
Distribution



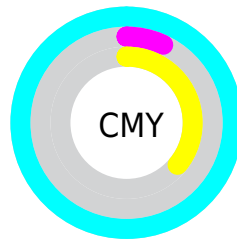
- Red (0%)
- Green (93%)
- Blue (64%)



- Red (0%)
- Yellow (55%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2487, 0.2540, 0.4344 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 63.2487, 0.2540, 0.4344 by changing the saturation by 10% instead.

 63.2487, 0.2540,
0.4344


 63.2487, 0.2540,
0.4344


436.4715, 0.2834,
0.3810


 46.0424, 0.2467,
0.4478


 109.5282, 0.2646,
0.4149


 32.2793, 0.2375,
0.4651


 139.3703, 0.2686,
0.4076


 21.5749, 0.2253,
0.4880

 174.1931, 0.2720,
0.4014

 13.5449, 0.2085,
0.5198

 214.3809, 0.2749,
0.3962

 7.8048, 0.1844,
0.5665

 260.3183, 0.2775,
0.3916

 3.9703, 0.1476,
0.6398

312.3896, 0.2797,

 1.6570, 0.0000,

0.3876

0.9554

370.9792, 0.2816,
0.3841

■ 0.3956, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2487, 0.2540,
0.4344

■ 63.2487, 0.2540,
0.4344

■ 63.2515, 0.2540,
0.4344

■ 63.7135, 0.2524,
0.4228

■ 64.4238, 0.2524,
0.4109

■ 65.4558, 0.2545,
0.3991

■ 66.8531, 0.2586,
0.3873

■ 68.6521, 0.2645,
0.3759

■ 70.8848, 0.2721,
0.3651

■ 73.5800, 0.2810,
0.3549

■ 76.7638, 0.2910,
0.3454

■ 80.4604, 0.3016,
0.3368

Harmonies

Analogous

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



63.2487, 0.3326, 0.4856



63.2487, 0.2540, 0.4344



63.2487, 0.1959, 0.3421

Triad

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



63.2487, 0.2540, 0.4344



63.2487, 0.2095, 0.2019



63.2487, 0.4804, 0.3600

Complementary

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



63.2487, 0.2540, 0.4344



18.4870, 0.5773, 0.2954

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.



63.2487, 0.4404, 0.3003



63.2487, 0.2540, 0.4344



63.2487, 0.2737, 0.2143

Square

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



63.2487, 0.2540, 0.4344



63.2487, 0.1748, 0.2158



63.2487, 0.3596, 0.2491



63.2487, 0.4661, 0.4213

Rectangle

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



63.2487, 0.2540, 0.4344



63.2487, 0.1748, 0.2850



63.2487, 0.3596, 0.2491



63.2487, 0.4731, 0.3396

Sweetspot

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



63.2515, 0.2540, 0.4344



86.8380, 0.2809, 0.3550



62.0700, 0.3146, 0.5884



18.2845, 0.2770, 0.3592



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.



63.2515, 0.2540, 0.4344



74.6715, 0.2541, 0.4348



44.5006, 0.2079, 0.2683



17.0383, 0.3022, 0.3364



34.5555, 0.2535, 0.4325



2.7305, 0.2490, 0.4163

Inverse Universe

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



18.4870, 0.5773, 0.2954



21.8183, 0.5782, 0.2959



19.7664, 0.6227, 0.3438



15.1305, 0.3244, 0.3218



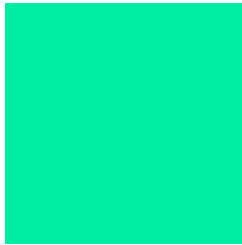
10.1133, 0.5730, 0.2930



0.8108, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 63.2487, 0.2540, 0.4344 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 63.2487, 0.2540, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

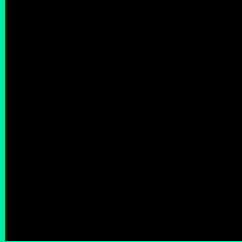
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2487, 0.2540, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 63.2487, 0.2540, 0.4344.

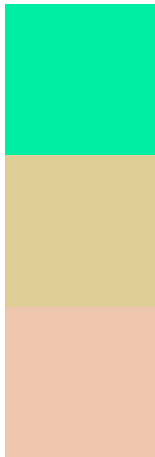


This preview shows how white text looks on a background with the Yxy color 63.2487, 0.2540, 0.4344.

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

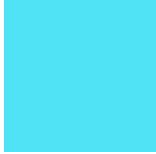
63.2487, 0.2540, 0.4344

Protanopia

61.8742, 0.3667, 0.3933

Deuteranopia

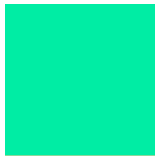
61.5824, 0.3648, 0.3566



Tritanopia

63.2362, 0.2287, 0.3061

Trichromacy



Original Color

63.2487, 0.2540, 0.4344



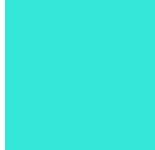
Protanomaly

57.6550, 0.2994, 0.4139



Deuteranomaly

56.5686, 0.2968, 0.3854



Tritanomaly

62.8135, 0.2352, 0.3489

Monochromacy



Original Color

63.2487, 0.2540, 0.4344



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.8454, 0.2682, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2487, 0.2540, 0.4344 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, 237, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 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, 237, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 164) }
```

Border

The CSS property to change the border of an element to Yxy 63.2487, 0.2540, 0.4344 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, 237, 164) }
```

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

```
.border{ border-color:rgb(0, 237, 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, 237, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2487, 0.2540, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 164) }
```

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

```
.background{ background-color: rgb(0, 237,  
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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