

Converting Colors

$Y_{xy}(57.6172, 0.2510, 0.4233)$

Have a look what the booklet for
Yxy(57.6172, 0.2510, 0.4233)
contains.

Yxy(57.6250, 0.2509, 0.4229)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.6250, 0.2509, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	02E3A4
RGB	2, 227, 164
RGB Percent	1%, 89%, 64%
CMY	0.9940, 0.1098, 0.3568
CMYK	0.99, 0.00, 0.28, 0.11
HSL	163°, 99%, 45%
HSV	163°, 99%, 89%
XYZ	34.1880, 57.6250, 44.4485
YIQ	152.5430, -113.8770, -67.2930

Conversions

Conversions Part 2

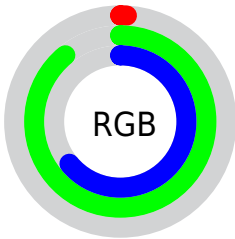
Format	Color
R_YB	2, 133, 227
Decimal	189348
CIE Lab	80.53, -60.49, 18.07
CIE LCh	81, 63.128, 163.370
Yxy	57.6250, 0.2509, 0.4229
Android (android.graphics.Color)	4278379428 (0xFF02E3A4)
YUV	152.5430, 5.6483, -132.0262
Hunter-Lab	75.9111, -52.4536, 18.4215

Details

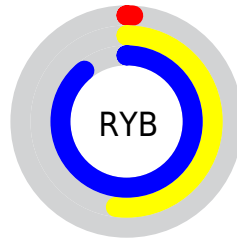
The Yxy color **57.6250, 0.2509, 0.4229** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.7397, 0.5847, 0.2999**, and the grayscale version is **31.5942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8857, 0.2560, 0.3728**, and **29.9193, 0.2566, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **57.6019, 0.2510, 0.4236**, and if you desaturate by 10%, it is **58.0493, 0.2497, 0.4124**.

Distribution



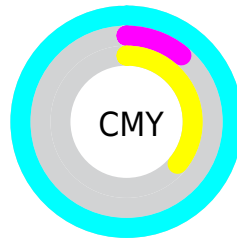
- Red (1%)
- Green (89%)
- Blue (64%)



- Red (1%)
- Yellow (52%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)





- Cyan (99%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6250, 0.2509, 0.4229 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 57.6250, 0.2509, 0.4229 by changing the saturation by 10% instead.


 57.6250, 0.2509,
0.4229

 57.6250, 0.2509,
0.4229


415.7871, 0.2818,
0.3749

 41.5072, 0.2432,
0.4351

 101.3766, 0.2621,
0.4053

 28.7156, 0.2334,
0.4509


 129.7792, 0.2663,
0.3987


 18.8658, 0.2205,
0.4721


 163.0455, 0.2699,
0.3932

 11.5734, 0.2027,
0.5019

 201.5600, 0.2730,
0.3885

 6.4539, 0.1769,
0.5464

 245.7070, 0.2756,
0.3844

 3.1230, 0.1356,
0.6197

295.8709, 0.2780,

 1.1963, 0.0000,

0.3808

0.9949

352.4362, 0.2800,
0.3777

■ 0.0587, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6250, 0.2509,
0.4229

■ 57.6250, 0.2509,
0.4229

■ 57.6019, 0.2510,
0.4236

■ 58.0493, 0.2497,
0.4124

■ 58.7015, 0.2501,
0.4018

■ 59.6454, 0.2526,
0.3912

■ 60.9195, 0.2571,
0.3807

■ 62.5562, 0.2634,
0.3706

■ 64.5840, 0.2714,
0.3608

■ 67.0284, 0.2807,
0.3517

■ 69.9128, 0.2910,
0.3433

■ 73.2589, 0.3020,
0.3355

Harmonies

Analogous

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



57.6250, 0.3258, 0.4769



57.6250, 0.2509, 0.4229



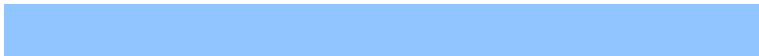
57.6250, 0.1969, 0.3345

Triad

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



57.6250, 0.2509, 0.4229



57.6250, 0.2174, 0.2063



57.6250, 0.4746, 0.3648

Complementary

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



57.6250, 0.2509, 0.4229



16.7397, 0.5847, 0.2999

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.



57.6250, 0.4402, 0.3064



57.6250, 0.2509, 0.4229



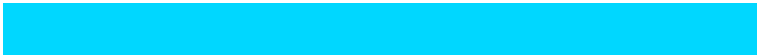
57.6250, 0.2818, 0.2203

Square

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



57.6250, 0.2509, 0.4229



57.6250, 0.1812, 0.2178



57.6250, 0.3651, 0.2557



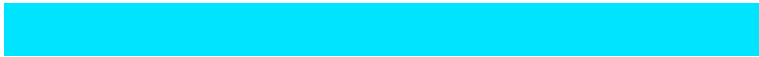
57.6250, 0.4574, 0.4236

Rectangle

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



57.6250, 0.2509, 0.4229



57.6250, 0.1780, 0.2813



57.6250, 0.3651, 0.2557



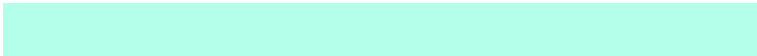
57.6250, 0.4689, 0.3449

Sweetspot

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



57.6273, 0.2509, 0.4229



86.9635, 0.2798, 0.3525



56.0779, 0.3122, 0.5899



18.3146, 0.2758, 0.3563



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.



57.6273, 0.2509, 0.4229



74.9709, 0.2512, 0.4243



37.4548, 0.2049, 0.2572



16.2641, 0.3019, 0.3356



33.6155, 0.2506, 0.4220



2.4997, 0.2463, 0.4067

Inverse Universe

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



16.7397, 0.5847, 0.2999



21.7179, 0.5882, 0.3014



18.6479, 0.6150, 0.3492



14.4338, 0.3249, 0.3225



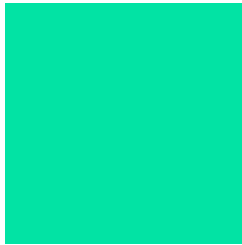
9.7533, 0.5828, 0.2984



0.7362, 0.5411, 0.2755

Previews

White Background



This preview shows how the Yxy color 57.6250, 0.2509, 0.4229 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 57.6250, 0.2509, 0.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

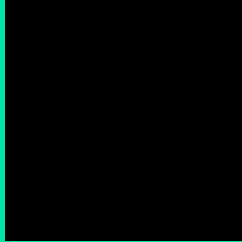
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

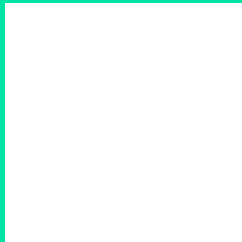
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6250, 0.2509, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 57.6250, 0.2509, 0.4229.



This preview shows how white text looks on a background with the Yxy color 57.6250, 0.2509, 0.4229.

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

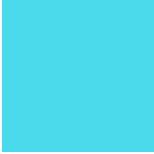
57.6314, 0.2509, 0.4229

Protanopia

56.5872, 0.3609, 0.3864

Deuteranopia

56.5711, 0.3582, 0.3509



Tritanopia

57.6368, 0.2285, 0.3065

Trichromacy



Original Color

57.6314, 0.2509, 0.4229



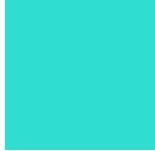
Protanomaly

53.1184, 0.2954, 0.4053



Deuteranomaly

52.0700, 0.2931, 0.3774



Tritanomaly

56.9447, 0.2341, 0.3455

Monochromacy



Original Color

57.6314, 0.2509, 0.4229



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.1819, 0.2667, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6250, 0.2509, 0.4229 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(2, 227, 164)` looks like.

```
.text, #text, p{  
    color:rgb(2, 227, 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(2, 227, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 227, 164) }
```

Border

The CSS property to change the border of an element to Yxy 57.6250, 0.2509, 0.4229 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(2, 227, 164) }
```

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

```
.border{ border-color:rgb(2, 227, 164) }
```

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

Here you see how a box with a 4 pixel rgb(2, 227, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(2, 227,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6250, 0.2509, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 227, 164) }
```

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

```
.background{ background-color: rgb(2, 227,  
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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