

Converting Colors

$Y_{xy}(62.2263, 0.2323, 0.3793)$

Have a look what the booklet for
Yxy(62.2263, 0.2323, 0.3793)
contains.

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Color

Yxy(62.9229, 0.2386, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	00EAC6
RGB	0, 234, 198
RGB Percent	0%, 92%, 78%
CMY	1.0000, 0.0823, 0.2235
CMYK	1.00, 0.00, 0.15, 0.08
HSL	171°, 100%, 46%
HSV	171°, 100%, 92%
XYZ	39.6132, 62.9229, 63.4874
YIQ	159.9300, -127.9080, -60.8040

Conversions

Conversions Part 2

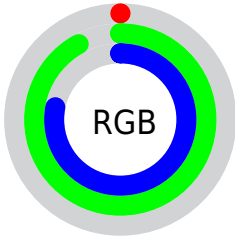
Format	Color
RYB	0, 127, 234
Decimal	60102
CIELab	83.40, -54.97, 4.30
CIELCh	83, 55.141, 175.531
Yxy	62.9229, 0.2386, 0.3790
Android (android.graphics.Color)	4278250182 (0xFF00EAC6)
YUV	159.9300, 18.7685, -140.2586
Hunter-Lab	79.3240, -49.6767, 8.0737

Details

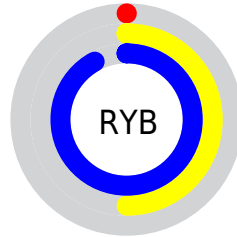
The Yxy color **62.9229, 0.2386, 0.3790** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.6210, 0.6212, 0.3196**, and the grayscale version is **35.0782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **33.4579, 0.2415, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **62.9273, 0.2386, 0.3790**, and if you desaturate by 10%, it is **63.2824, 0.2385, 0.3736**.

Distribution



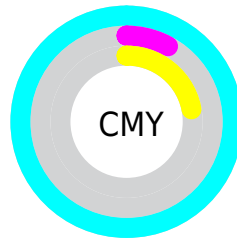
- Red (0%)
- Green (92%)
- Blue (78%)



- Red (0%)
- Yellow (50%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9229, 0.2386, 0.3790 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 62.9229, 0.2386, 0.3790 by changing the saturation by 10% instead.


 62.9229, 0.2386,
0.3790


 62.9229, 0.2386,
0.3790


435.2896, 0.2737,
0.3549

 45.7788, 0.2304,
0.3847


 109.0583, 0.2509,
0.3705

 32.0713, 0.2203,
0.3919


 138.8184, 0.2557,
0.3672


 21.4160, 0.2074,
0.4012


 173.5526, 0.2597,
0.3644

 13.4284, 0.1904,
0.4136

 213.6454, 0.2633,
0.3620

 7.7242, 0.1672,
0.4310

 259.4811, 0.2664,
0.3599

 3.9190, 0.1343,
0.4568

311.4441, 0.2691,

 1.6283, 0.0223,

0.3580

0.5329

369.9188, 0.2715,
0.3564

■ 0.3766, 0.0000,
0.7745

■ 0.0000, 0.0000,
0.0000

■ 62.9229, 0.2386,
0.3790

■ 62.9229, 0.2386,
0.3790

■ 62.9273, 0.2386,
0.3790

■ 63.2824, 0.2385,
0.3736

■ 63.8672, 0.2399,
0.3681

■ 64.7533, 0.2433,
0.3625

■ 65.9825, 0.2486,
0.3571

■ 67.5901, 0.2558,
0.3517

■ 69.6069, 0.2647,
0.3466

■ 72.0604, 0.2752,
0.3417

■ 74.9759, 0.2869,
0.3371

■ 78.3766, 0.2995,
0.3329

Harmonies

Analogous

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



62.9229, 0.2985, 0.4396



62.9229, 0.2386, 0.3790



62.9229, 0.2011, 0.3064

Triad

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



62.9229, 0.2386, 0.3790



62.9229, 0.2508, 0.2244



62.9229, 0.4504, 0.3838

Complementary

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



62.9229, 0.2386, 0.3790



17.6210, 0.6212, 0.3196

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.



62.9229, 0.4380, 0.3314



62.9229, 0.2386, 0.3790



62.9229, 0.3149, 0.2448

Square

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



62.9229, 0.2386, 0.3790



62.9229, 0.2081, 0.2257



62.9229, 0.3859, 0.2826



62.9229, 0.4220, 0.4309

Rectangle

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



62.9229, 0.2386, 0.3790



62.9229, 0.1914, 0.2674



62.9229, 0.3859, 0.2826



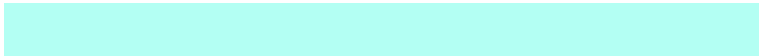
62.9229, 0.4512, 0.3664

Sweetspot

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



62.9273, 0.2386, 0.3790



87.5293, 0.2750, 0.3417



59.2811, 0.3045, 0.5964



18.4509, 0.2705, 0.3438



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.



62.9273, 0.2386, 0.3790



76.4661, 0.2387, 0.3792



29.7195, 0.1929, 0.2144



17.0797, 0.3002, 0.3326



35.3745, 0.2384, 0.3781



2.7885, 0.2363, 0.3706

Inverse Universe

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



17.6210, 0.6212, 0.3196



21.4080, 0.6220, 0.3200



22.9428, 0.5903, 0.3695



15.0918, 0.3269, 0.3254



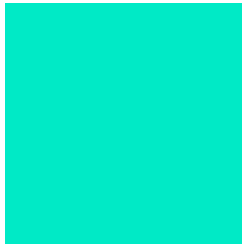
9.9129, 0.6183, 0.3180



0.7899, 0.5842, 0.2992

Previews

White Background



This preview shows how the Yxy color 62.9229, 0.2386, 0.3790 looks on a white background.

Color Contrast Check

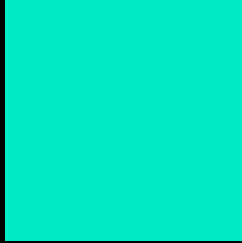
Large Text (above 18pt) WCAG AA × Fail

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 62.9229, 0.2386, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

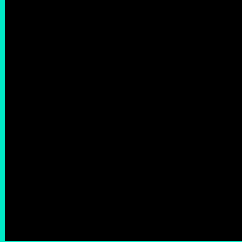
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

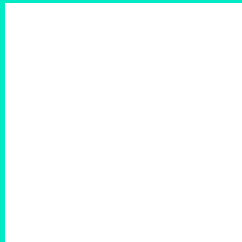
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.9229, 0.2386, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 62.9229, 0.2386, 0.3790.



This preview shows how white text looks on a background with the Yxy color 62.9229, 0.2386, 0.3790.

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

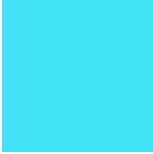
62.9229, 0.2386, 0.3790

Protanopia

61.5286, 0.3366, 0.3546

Deuteranopia

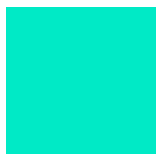
61.4718, 0.3289, 0.3213



Tritanopia

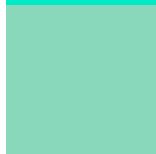
62.7502, 0.2250, 0.3047

Trichromacy



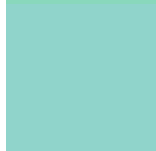
Original Color

62.9229, 0.2386, 0.3790



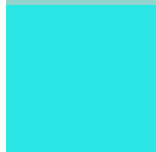
Protanomaly

58.0609, 0.2773, 0.3664



Deuteranomaly

57.3281, 0.2723, 0.3406



Tritanomaly

62.7430, 0.2283, 0.3301

Monochromacy



Original Color

62.9229, 0.2386, 0.3790



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.4214, 0.2602, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9229, 0.2386, 0.3790 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, 234, 198)` looks like.

```
.text, #text, p{  
  color:rgb(0, 234, 198)  
}
```

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, 234, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 198) }
```

Border

The CSS property to change the border of an element to Yxy 62.9229, 0.2386, 0.3790 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, 234, 198) }
```

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

```
.border{ border-color:rgb(0, 234, 198) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9229, 0.2386, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 198) }
```

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

```
.background{ background-color: rgb(0, 234,  
198) }
```

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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