

Converting Colors

$Yxy(62.6967, 0.2411, 0.3759)$

Have a look what the booklet for
Yxy(62.6967, 0.2411, 0.3759)
contains.

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Color

Yxy(62.8525, 0.2411, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	28E9C7
RGB	40, 233, 199
RGB Percent	16%, 91%, 78%
CMY	0.8444, 0.0862, 0.2196
CMYK	0.83, 0.00, 0.15, 0.09
HSL	169°, 81%, 53%
HSV	169°, 83%, 91%
XYZ	40.3132, 62.8525, 64.0397
YIQ	171.4170, -104.1140, -51.4900

Conversions

Conversions Part 2

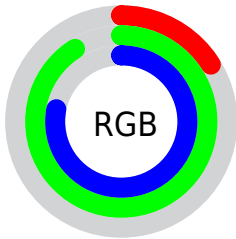
Format	Color
RYB	40, 146, 233
Decimal	2681287
CIELab	83.36, -52.63, 3.75
CIELCh	83, 52.760, 175.924
Yxy	62.8525, 0.2411, 0.3759
Android (android.graphics.Color)	4280871367 (0xFF28E9C7)
YUV	171.4170, 13.5984, -115.2527
Hunter-Lab	79.2796, -47.9730, 7.6030

Details

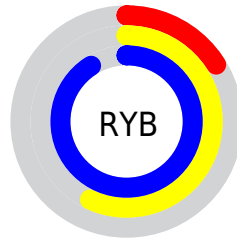
The Yxy color **62.8525, 0.2411, 0.3759** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **19.3127, 0.5633, 0.3057**, and the grayscale version is **40.8687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **33.0950, 0.2405, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **62.3358, 0.2404, 0.3822**, and if you desaturate by 10%, it is **63.6594, 0.2437, 0.3695**.

Distribution



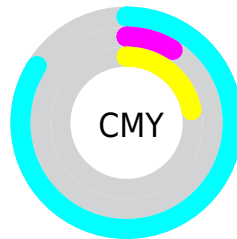
- Red (16%)
- Green (91%)
- Blue (78%)



- Red (16%)
- Yellow (57%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (84%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8525, 0.2411, 0.3759 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 62.8525, 0.2411, 0.3759 by changing the saturation by 10% instead.

 62.8525, 0.2411,
0.3759

 62.8525, 0.2411,
0.3759


435.0340, 0.2750,
0.3534


 45.7219, 0.2332,
0.3812


 108.9567, 0.2530,
0.3679


 32.0264, 0.2234,
0.3880


 138.6991, 0.2576,
0.3649


 21.3817, 0.2109,
0.3966


 173.4141, 0.2615,
0.3622

 13.4033, 0.1944,
0.4082

 213.4863, 0.2649,
0.3600

 7.7068, 0.1720,
0.4244

 259.3000, 0.2679,
0.3580

 3.9079, 0.1399,
0.4484

311.2396, 0.2705,

 1.6222, 0.0386,

0.3563

369.6894, 0.2729,
0.3547

0.5156

■ 0.3725, 0.0000,
0.7220

■ 0.0000, 0.0000,
0.0000

■ 62.8525, 0.2411,
0.3759

■ 62.8525, 0.2411,
0.3759

■ 62.3358, 0.2404,
0.3822


■ 63.6594, 0.2437,
0.3695


■ 62.0932, 0.2407,
0.3867


■ 64.7933, 0.2483,
0.3632

■ 66.2933, 0.2548,
0.3569

■ 68.1908, 0.2630,
0.3509

 70.5142, 0.2729,
0.3452

 73.2889, 0.2840,
0.3398

 76.5386, 0.2960,
0.3348

 80.2852, 0.3088,
0.3303

 84.5491, 0.3220,
0.3262

Harmonies

Analogous

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



62.8525, 0.2986, 0.4338



62.8525, 0.2411, 0.3759



62.8525, 0.2051, 0.3069

Triad

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



62.8525, 0.2411, 0.3759



62.8525, 0.2540, 0.2283



62.8525, 0.4447, 0.3830

Complementary

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



62.8525, 0.2411, 0.3759



19.3127, 0.5633, 0.3057

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.



62.8525, 0.4330, 0.3324



62.8525, 0.2411, 0.3759



62.8525, 0.3159, 0.2483

Square

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



62.8525, 0.2411, 0.3759



62.8525, 0.2124, 0.2295



62.8525, 0.3836, 0.2851



62.8525, 0.4173, 0.4278

Rectangle

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



62.8525, 0.2411, 0.3759



62.8525, 0.1958, 0.2696



62.8525, 0.3836, 0.2851



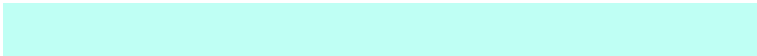
62.8525, 0.4455, 0.3662

Sweetspot

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



62.8549, 0.2411, 0.3759



89.1474, 0.2815, 0.3409



59.9385, 0.3112, 0.5752



18.8193, 0.2775, 0.3428



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.



62.8549, 0.2411, 0.3759



76.1800, 0.2408, 0.3870



35.7551, 0.2040, 0.2409



17.0737, 0.3005, 0.3332



35.2443, 0.2405, 0.3857



2.7795, 0.2380, 0.3769

Inverse Universe

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



19.3127, 0.5633, 0.3057



21.4484, 0.6173, 0.3174



26.7659, 0.5479, 0.3796



15.0973, 0.3265, 0.3249



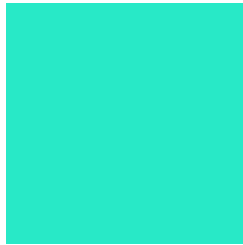
9.9333, 0.6133, 0.3152



0.7925, 0.5772, 0.2954

Previews

White Background



This preview shows how the Yxy color 62.8525, 0.2411, 0.3759 looks on a white background.

Color Contrast Check

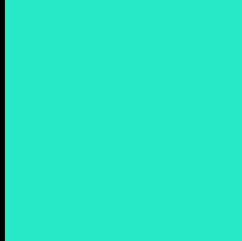
Large Text (above 18pt) WCAG AA × Fail

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 62.8525, 0.2411, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

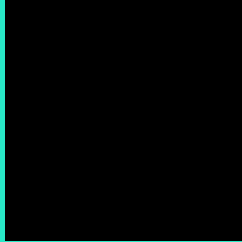
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

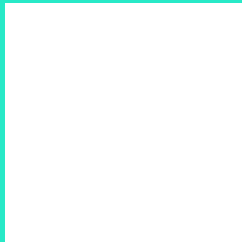
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8525, 0.2411, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 62.8525, 0.2411, 0.3759.

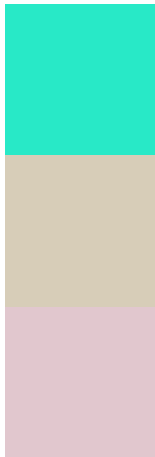


This preview shows how white text looks on a background with the Yxy color 62.8525, 0.2411, 0.3759.

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

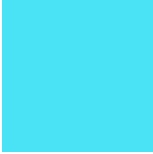
62.8525, 0.2411, 0.3759

Protanopia

61.5704, 0.3358, 0.3534

Deuteranopia

61.3106, 0.3281, 0.3212



Tritanopia

62.9866, 0.2272, 0.3060

Trichromacy



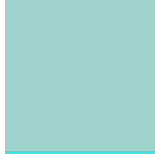
Original Color

62.8525, 0.2411, 0.3759



Protanomaly

58.8543, 0.2852, 0.3629



Deuteranomaly

58.1694, 0.2808, 0.3391



Tritanomaly

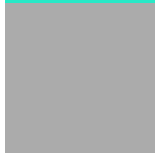
62.6642, 0.2318, 0.3301

Monochromacy



Original Color

62.8525, 0.2411, 0.3759



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.1307, 0.2699, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8525, 0.2411, 0.3759 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(40, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 233, 199)  
}
```

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(40, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 233, 199) }
```

Border

The CSS property to change the border of an element to Yxy 62.8525, 0.2411, 0.3759 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(40, 233, 199) }
```

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

```
.border{ border-color:rgb(40, 233, 199) }
```

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

Here you see how a box with a 4 pixel rgb(40, 233, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 233,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8525, 0.2411, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 233, 199) }
```

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

```
.background{ background-color: rgb(40, 233,  
199) }
```

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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