

Converting Colors

$Yxy(63.8578, 0.2482, 0.4134)$

Have a look what the booklet for
Yxy(63.8578, 0.2482, 0.4134)
contains.

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Color

Yxy(63.7892, 0.2481, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	02EDB2
RGB	2, 237, 178
RGB Percent	1%, 93%, 70%
CMY	0.9928, 0.0706, 0.3020
CMYK	0.99, 0.00, 0.25, 0.07
HSL	165°, 98%, 47%
HSV	165°, 99%, 93%
XYZ	38.3384, 63.7892, 52.4005
YIQ	160.0090, -121.1210, -68.1690

Conversions

Conversions Part 2

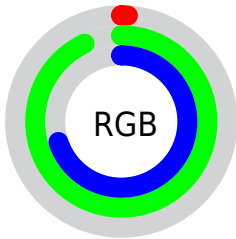
Format	Color
RYB	2, 136, 237
Decimal	191922
CIELab	83.86, -60.98, 15.43
CIElCh	84, 62.904, 165.797
Yxy	63.7892, 0.2481, 0.4128
Android (android.graphics.Color)	4278382002 (0xFF02EDB2)
YUV	160.0090, 8.8696, -138.5739
Hunter-Lab	79.8681, -54.0854, 17.0083

Details

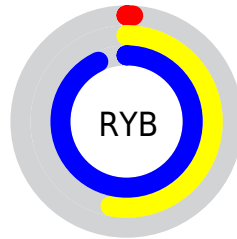
The Yxy color **63.7892, 0.2481, 0.4128** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.3792, 0.5942, 0.3052**, and the grayscale version is **35.1328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9053, 0.2506, 0.3539**, and **34.1232, 0.2532, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **63.7613, 0.2482, 0.4135**, and if you desaturate by 10%, it is **64.2375, 0.2471, 0.4035**.

Distribution



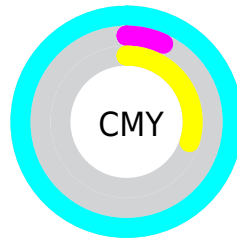
- Red (1%)
- Green (93%)
- Blue (70%)



- Red (1%)
- Yellow (53%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)



- Cyan (99%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7892, 0.2481, 0.4128 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 63.7892, 0.2481, 0.4128 by changing the saturation by 10% instead.

 63.7892, 0.2481,
0.4128


 63.7892, 0.2481,
0.4128


438.4280, 0.2795,
0.3710

 46.4800, 0.2406,
0.4231

 110.3073, 0.2593,
0.3977

 32.6247, 0.2311,
0.4364


 140.2849, 0.2636,
0.3920


 21.8391, 0.2188,
0.4538


 175.2542, 0.2672,
0.3871

 13.7387, 0.2022,
0.4778

 215.5994, 0.2704,
0.3830

 7.9392, 0.1790,
0.5127

 261.7050, 0.2731,
0.3794

 4.0561, 0.1447,
0.5673


313.9554, 0.2755,


 1.7050, 0.0000,


0.3763

0.7426


372.7349, 0.2776,
0.3735


 0.4269, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 63.7892, 0.2481,
0.4128


 63.7892, 0.2481,
0.4128


 63.7613, 0.2482,
0.4135


 64.2375, 0.2471,
0.4035

 64.9375, 0.2478,
0.3940


 65.9578, 0.2505,
0.3846

 67.3413, 0.2552,
0.3752

 69.1238, 0.2618,
0.3662

 71.3370, 0.2700,
0.3575

 74.0092, 0.2796,
0.3493

 77.1664, 0.2903,
0.3418

 80.8324, 0.3017,
0.3348

Harmonies

Analogous

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



63.7892, 0.3198, 0.4689



63.7892, 0.2481, 0.4128



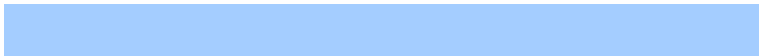
63.7892, 0.1978, 0.3278

Triad

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



63.7892, 0.2481, 0.4128



63.7892, 0.2246, 0.2102



63.7892, 0.4693, 0.3691

Complementary

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



63.7892, 0.2481, 0.4128



18.3792, 0.5942, 0.3052

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.



63.7892, 0.4400, 0.3119



63.7892, 0.2481, 0.4128



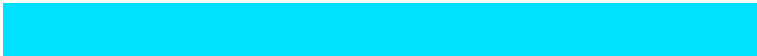
63.7892, 0.2891, 0.2256

Square

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



63.7892, 0.2481, 0.4128



63.7892, 0.1870, 0.2195



63.7892, 0.3700, 0.2616



63.7892, 0.4496, 0.4256

Rectangle

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



63.7892, 0.2481, 0.4128



63.7892, 0.1809, 0.2780



63.7892, 0.3700, 0.2616



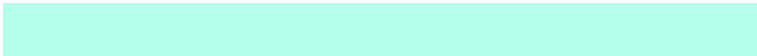
63.7892, 0.4652, 0.3497

Sweetspot

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



63.7917, 0.2481, 0.4128



87.0888, 0.2787, 0.3500



61.6787, 0.3108, 0.5910



18.3447, 0.2746, 0.3534



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.



63.7917, 0.2481, 0.4128



75.2818, 0.2483, 0.4139



39.6338, 0.2032, 0.2512



17.0535, 0.3015, 0.3350



34.8347, 0.2478, 0.4120



2.7506, 0.2442, 0.3990

Inverse Universe

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



18.3792, 0.5942, 0.3052



21.6301, 0.5973, 0.3064



20.9056, 0.6119, 0.3516



15.1161, 0.3253, 0.3231



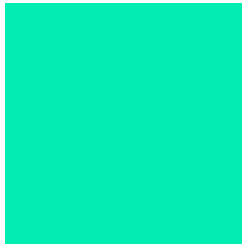
10.0226, 0.5924, 0.3037



0.8021, 0.5533, 0.2822

Previews

White Background



This preview shows how the Yxy color 63.7892, 0.2481, 0.4128 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 63.7892, 0.2481, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

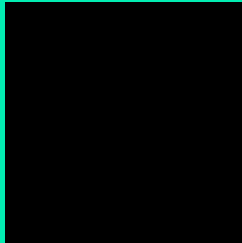
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

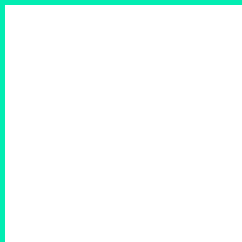
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7892, 0.2481, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 63.7892, 0.2481, 0.4128.

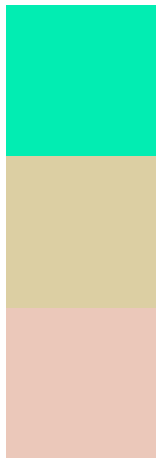


This preview shows how white text looks on a background with the Yxy color 63.7892, 0.2481, 0.4128.

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

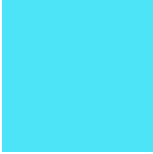
63.7956, 0.2481, 0.4128

Protanopia

62.4856, 0.3551, 0.3797

Deuteranopia

62.5159, 0.3515, 0.3445



Tritanopia

63.6771, 0.2277, 0.3061

Trichromacy



Original Color

63.7956, 0.2481, 0.4128



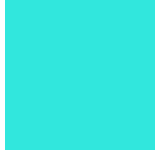
Protanomaly

58.6327, 0.2917, 0.3966



Deuteranomaly

57.4914, 0.2881, 0.3687



Tritanomaly

63.0253, 0.2328, 0.3421

Monochromacy



Original Color

63.7956, 0.2481, 0.4128



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.5812, 0.2647, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7892, 0.2481, 0.4128 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, 237, 178)` looks like.

```
.text, #text, p{  
    color:rgb(2, 237, 178)  
}
```

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, 237, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 237, 178) }
```

Border

The CSS property to change the border of an element to Yxy 63.7892, 0.2481, 0.4128 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, 237, 178) }
```

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

```
.border{ border-color:rgb(2, 237, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 237, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 237, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 237, 178);  
box-shadow:4px 4px 4px 4px rgb(2, 237,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7892, 0.2481, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 237, 178) }
```

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

```
.background{ background-color: rgb(2, 237,  
178) }
```

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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