

Converting Colors

$Yxy(62.4969, 0.2462, 0.4064)$

Have a look what the booklet for
Yxy(62.4969, 0.2462, 0.4064)
contains.

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Color

Yxy(62.7119, 0.2465, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	00EBB4
RGB	0, 235, 180
RGB Percent	0%, 92%, 71%
CMY	1.0000, 0.0784, 0.2942
CMYK	1.00, 0.00, 0.23, 0.08
HSL	166°, 100%, 46%
HSV	166°, 100%, 92%
XYZ	37.9442, 62.7119, 53.2759
YIQ	158.4650, -122.4050, -66.9250

Conversions

Conversions Part 2

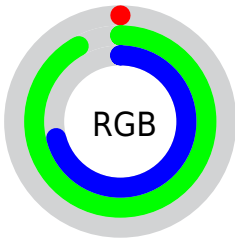
Format	Color
RYB	0, 133, 235
Decimal	60340
CIELab	83.29, -59.81, 13.59
CIELCh	83, 61.339, 167.198
Yxy	62.7119, 0.2465, 0.4074
Android (android.graphics.Color)	4278250420 (0xFF00EBB4)
YUV	158.4650, 10.6168, -138.9738
Hunter-Lab	79.1908, -53.0558, 15.5461

Details

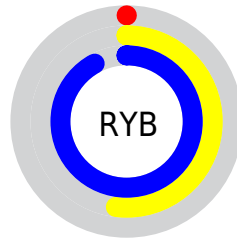
The Yxy color **62.7119, 0.2465, 0.4074** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.9392, 0.6013, 0.3086**, and the grayscale version is **34.4074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9556, 0.2494, 0.3514**, and **33.3731, 0.2513, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **62.7148, 0.2465, 0.4074**, and if you desaturate by 10%, it is **63.1316, 0.2456, 0.3988**.

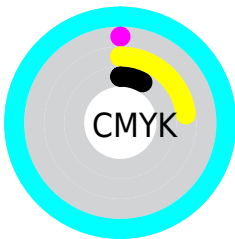
Distribution



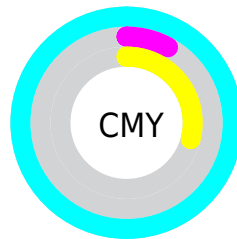
- Red (0%)
- Green (92%)
- Blue (71%)



- Red (0%)
- Yellow (52%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7119, 0.2465, 0.4074 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 62.7119, 0.2465, 0.4074 by changing the saturation by 10% instead.

 62.7119, 0.2465,
0.4074

 62.7119, 0.2465,
0.4074


434.5232, 0.2786,
0.3684


 45.6082, 0.2388,
0.4171


 108.7538, 0.2579,
0.3933


 31.9367, 0.2291,
0.4294


 138.4607, 0.2623,
0.3879


 21.3132, 0.2166,
0.4456


 173.1375, 0.2660,
0.3834

 13.3531, 0.1999,
0.4680

 213.1685, 0.2692,
0.3796

 7.6722, 0.1764,
0.5005

 258.9382, 0.2720,
0.3762

 3.8859, 0.1418,
0.5515

310.8310, 0.2745,

 1.6099, 0.0000,

0.3733

0.7118

369.2311, 0.2767,
0.3707

■ 0.3643, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7119, 0.2465,
0.4074

■ 62.7119, 0.2465,
0.4074

■ 62.7148, 0.2465,
0.4074

■ 63.1316, 0.2456,
0.3988


■ 63.7856, 0.2463,
0.3900

■ 64.7489, 0.2490,
0.3813


■ 66.0638, 0.2537,
0.3726

 67.7662, 0.2603,
0.3642

 69.8871, 0.2686,
0.3561

 72.4545, 0.2782,
0.3485

 75.4940, 0.2890,
0.3414

 79.0291, 0.3006,
0.3349

Harmonies

Analogous

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



62.7119, 0.3164, 0.4646



62.7119, 0.2465, 0.4074



62.7119, 0.1981, 0.3243

Triad

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



62.7119, 0.2465, 0.4074



62.7119, 0.2286, 0.2123



62.7119, 0.4666, 0.3715

Complementary

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



62.7119, 0.2465, 0.4074



17.9392, 0.6013, 0.3086

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.



62.7119, 0.4399, 0.3150



62.7119, 0.2465, 0.4074



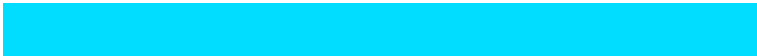
62.7119, 0.2932, 0.2285

Square

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



62.7119, 0.2465, 0.4074



62.7119, 0.1901, 0.2204



62.7119, 0.3726, 0.2648



62.7119, 0.4454, 0.4267

Rectangle

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



62.7119, 0.2465, 0.4074



62.7119, 0.1824, 0.2761



62.7119, 0.3726, 0.2648



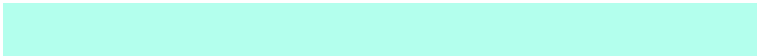
62.7119, 0.4632, 0.3524

Sweetspot

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



62.7148, 0.2465, 0.4074



87.1639, 0.2781, 0.3486



60.3423, 0.3093, 0.5926



18.3627, 0.2738, 0.3518



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.



62.7148, 0.2465, 0.4074



75.4736, 0.2466, 0.4078



37.1491, 0.2013, 0.2446



17.0580, 0.3012, 0.3346



34.9223, 0.2461, 0.4060



2.7568, 0.2428, 0.3940

Inverse Universe

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



17.9392, 0.6013, 0.3086



21.5831, 0.6023, 0.3091



20.7656, 0.6101, 0.3538



15.1118, 0.3256, 0.3235



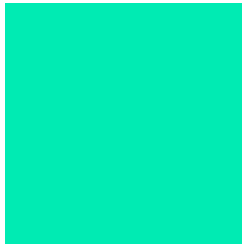
9.9998, 0.5975, 0.3065



0.7998, 0.5589, 0.2852

Previews

White Background



This preview shows how the Yxy color 62.7119, 0.2465, 0.4074 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 62.7119, 0.2465, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

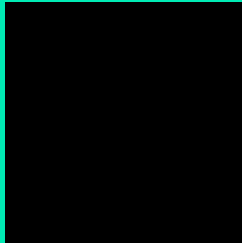
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.7119, 0.2465, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 62.7119, 0.2465, 0.4074.

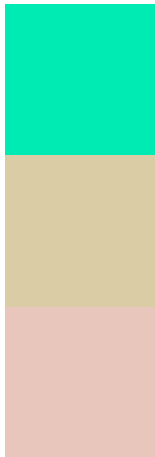


This preview shows how white text looks on a background with the Yxy color 62.7119, 0.2465, 0.4074.

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

62.7119, 0.2465, 0.4074

Protanopia

61.2847, 0.3525, 0.3755

Deuteranopia

61.1748, 0.3479, 0.3402



Tritanopia

62.4411, 0.2269, 0.3047

Trichromacy



Original Color

62.7119, 0.2465, 0.4074



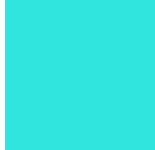
Protanomaly

57.5030, 0.2891, 0.3916



Deuteranomaly

56.3872, 0.2854, 0.3636



Tritanomaly

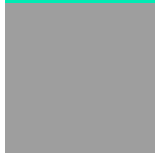
61.8634, 0.2318, 0.3395

Monochromacy



Original Color

62.7119, 0.2465, 0.4074



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.6377, 0.2643, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7119, 0.2465, 0.4074 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, 235, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 180)  
}
```

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, 235, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 180) }
```

Border

The CSS property to change the border of an element to Yxy 62.7119, 0.2465, 0.4074 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, 235, 180) }
```

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

```
.border{ border-color:rgb(0, 235, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7119, 0.2465, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 180) }
```

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

```
.background{ background-color: rgb(0, 235,  
180) }
```

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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