

Converting Colors

Yxy(64.6824, 0.2448, 0.4012)

Have a look what the booklet for
Yxy(64.6824, 0.2448, 0.4012)
contains.

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Color

Yxy(64.6942, 0.2450, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	01EEBA
RGB	1, 238, 186
RGB Percent	0%, 93%, 73%
CMY	0.9960, 0.0667, 0.2705
CMYK	1.00, 0.00, 0.22, 0.07
HSL	167°, 99%, 47%
HSV	167°, 100%, 93%
XYZ	39.4477, 64.6942, 56.8691
YIQ	161.2090, -124.5600, -66.4160

Conversions

Conversions Part 2

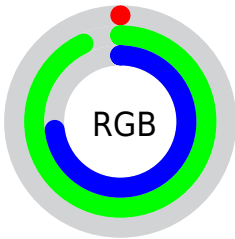
Format	Color
RYB	1, 134, 238
Decimal	126650
CIELab	84.33, -59.48, 11.91
CIELCh	84, 60.658, 168.676
Yxy	64.6942, 0.2450, 0.4018
Android (android.graphics.Color)	4278316730 (0xFF01EEBA)
YUV	161.2090, 12.2220, -140.5033
Hunter-Lab	80.4327, -53.2131, 14.3825

Details

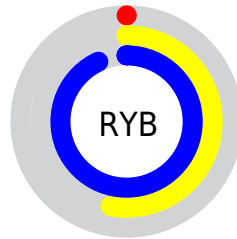
The Yxy color **64.6942, 0.2450, 0.4018** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.4553, 0.6045, 0.3107**, and the grayscale version is **35.7311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3755, 0.2473, 0.3441**, and **34.7412, 0.2492, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **64.6804, 0.2450, 0.4022**, and if you desaturate by 10%, it is **65.1207, 0.2443, 0.3938**.

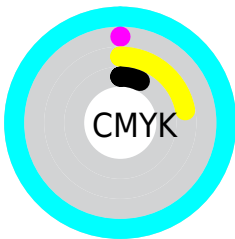
Distribution



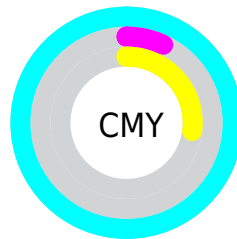
- Red (0%)
- Green (93%)
- Blue (73%)



- Red (0%)
- Yellow (53%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6942, 0.2450, 0.4018 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 64.6942, 0.2450, 0.4018 by changing the saturation by 10% instead.


 64.6942, 0.2450,
0.4018


 64.6942, 0.2450,
0.4018


441.6922, 0.2775,
0.3659


 47.2132, 0.2373,
0.4106


 111.6101, 0.2565,
0.3889

 33.2042, 0.2277,
0.4217


 141.8137, 0.2609,
0.3840


 22.2829, 0.2153,
0.4363


 177.0270, 0.2647,
0.3799

 14.0649, 0.1989,
0.4562

 217.6344, 0.2679,
0.3763

 8.1658, 0.1762,
0.4848

 264.0202, 0.2708,
0.3732

 4.2013, 0.1431,
0.5290


316.5689, 0.2733,

 1.7868, 0.0203,

0.3705

0.6530


375.6647, 0.2755,
0.3681


 0.4789, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.6942, 0.2450,
0.4018

 64.6942, 0.2450,
0.4018

 64.6804, 0.2450,
0.4022

 65.1207, 0.2443,
0.3938

 65.7944, 0.2452,
0.3856

 66.7875, 0.2481,
0.3775

 68.1434, 0.2530,
0.3694

69.8987, 0.2598,
0.3616

72.0853, 0.2682,
0.3540

74.7320, 0.2781,
0.3469

77.8650, 0.2891,
0.3403

81.5084, 0.3009,
0.3343

Harmonies

Analogous

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



64.6942, 0.3130, 0.4598



64.6942, 0.2450, 0.4018



64.6942, 0.1987, 0.3207

Triad

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



64.6942, 0.2450, 0.4018



64.6942, 0.2328, 0.2146



64.6942, 0.4635, 0.3738

Complementary

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



64.6942, 0.2450, 0.4018



18.4553, 0.6045, 0.3107

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.



64.6942, 0.4396, 0.3181



64.6942, 0.2450, 0.4018



64.6942, 0.2973, 0.2316

Square

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



64.6942, 0.2450, 0.4018



64.6942, 0.1935, 0.2214



64.6942, 0.3752, 0.2682



64.6942, 0.4409, 0.4276

Rectangle

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



64.6942, 0.2450, 0.4018



64.6942, 0.1842, 0.2744



64.6942, 0.3752, 0.2682



64.6942, 0.4609, 0.3550

Sweetspot

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



64.6967, 0.2450, 0.4018



87.2302, 0.2775, 0.3473



61.9966, 0.3083, 0.5931



18.3787, 0.2732, 0.3503



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.



64.6967, 0.2450, 0.4018



75.6465, 0.2451, 0.4024



36.7623, 0.1998, 0.2389



17.8661, 0.3010, 0.3342



36.1081, 0.2447, 0.4009



3.0184, 0.2417, 0.3902

Inverse Universe

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



18.4553, 0.6045, 0.3107



21.5449, 0.6064, 0.3114



21.8698, 0.6056, 0.3569



15.8156, 0.3259, 0.3238



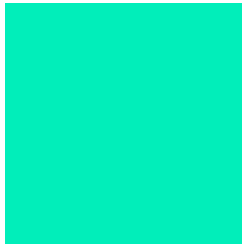
10.2961, 0.6021, 0.3090



0.8709, 0.5660, 0.2892

Previews

White Background



This preview shows how the Yxy color 64.6942, 0.2450, 0.4018 looks on a white background.

Color Contrast Check

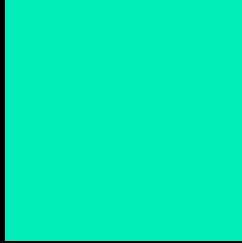
Large Text (above 18pt) WCAG AA × Fail

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 64.6942, 0.2450, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

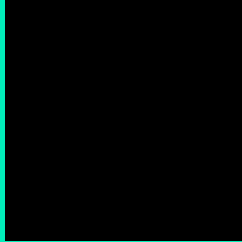
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6942, 0.2450, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 64.6942, 0.2450, 0.4018.

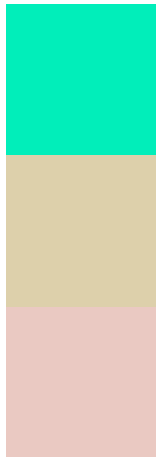


This preview shows how white text looks on a background with the Yxy color 64.6942, 0.2450, 0.4018.

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

64.7007, 0.2450, 0.4018

Protanopia

63.4242, 0.3497, 0.3714

Deuteranopia

63.1608, 0.3442, 0.3368



Tritanopia

64.7874, 0.2268, 0.3062

Trichromacy



Original Color

64.7007, 0.2450, 0.4018



Protanomaly

59.4603, 0.2870, 0.3865



Deuteranomaly

58.2443, 0.2826, 0.3591



Tritanomaly

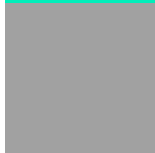
64.3184, 0.2316, 0.3393

Monochromacy



Original Color

64.7007, 0.2450, 0.4018



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.1810, 0.2636, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6942, 0.2450, 0.4018 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(1, 238, 186)` looks like.

```
.text, #text, p{  
    color:rgb(1, 238, 186)  
}
```

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(1, 238, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 238, 186) }
```

Border

The CSS property to change the border of an element to Yxy 64.6942, 0.2450, 0.4018 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(1, 238, 186) }
```

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

```
.border{ border-color:rgb(1, 238, 186) }
```

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

Here you see how a box with a 4 pixel rgb(1, 238, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 238, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 238, 186);  
box-shadow:4px 4px 4px 4px rgb(1, 238,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6942, 0.2450, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 238, 186) }
```

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

```
.background{ background-color: rgb(1, 238,  
186) }
```

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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