

Converting Colors

$Yxy(64.2039, 0.2525, 0.4124)$

Have a look what the booklet for
Yxy(64.2039, 0.2525, 0.4124)
contains.

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Color

Yxy(64.3235, 0.2529, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	2EEDB1
RGB	46, 237, 177
RGB Percent	18%, 93%, 69%
CMY	0.8189, 0.0706, 0.3060
CMYK	0.81, 0.00, 0.25, 0.07
HSL	161°, 84%, 56%
HSV	161°, 81%, 93%
XYZ	39.3503, 64.3235, 51.9225
YIQ	173.0510, -94.5760, -59.1520

Conversions

Conversions Part 2

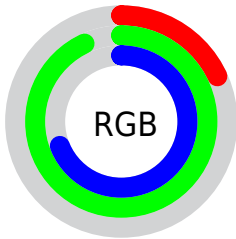
Format	Color
RYB	46, 159, 237
Decimal	3075505
CIELab	84.13, -58.96, 16.39
CIELCh	84, 61.193, 164.463
Yxy	64.3235, 0.2529, 0.4134
Android (android.graphics.Color)	4281265585 (0xFF2EEDB1)
YUV	173.0510, 1.9469, -111.4237
Hunter-Lab	80.2019, -52.7741, 17.7572

Details

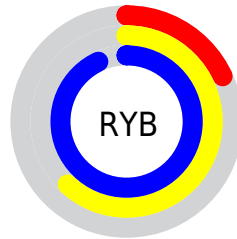
The Yxy color **64.3235, 0.2529, 0.4134** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **21.0174, 0.5119, 0.2793**, and the grayscale version is **41.8695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6883, 0.2553, 0.3548**, and **34.0978, 0.2538, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **63.6279, 0.2530, 0.4255**, and if you desaturate by 10%, it is **65.3441, 0.2548, 0.4012**.

Distribution



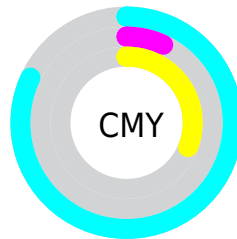
- Red (18%)
- Green (93%)
- Blue (69%)



- Red (18%)
- Yellow (62%)
- Blue (93%)



- Cyan (81%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)





- Cyan (82%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3235, 0.2529, 0.4134 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 64.3235, 0.2529, 0.4134 by changing the saturation by 10% instead.

 64.3235, 0.2529,
0.4134


 64.3235, 0.2529,
0.4134


440.3569, 0.2821,
0.3713


 46.9127, 0.2459,
0.4238


 111.0767, 0.2633,
0.3981


 32.9667, 0.2370,
0.4371


 141.1879, 0.2673,
0.3924

 22.1009, 0.2254,
0.4547


 176.3014, 0.2707,
0.3875

 13.9311, 0.2099,
0.4789

 216.8016, 0.2736,
0.3834

 8.0727, 0.1879,
0.5142

 263.0728, 0.2761,
0.3798

 4.1415, 0.1550,
0.5694

315.4996, 0.2784,

 1.7530, 0.0203,

0.3766

0.7432

374.4661, 0.2803,
0.3738

■ 0.4577, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3235, 0.2529,
0.4134

■ 64.3235, 0.2529,
0.4134

■ 63.6279, 0.2530,
0.4255


■ 65.3441, 0.2548,
0.4012


■ 63.1922, 0.2547,
0.4368


■ 66.7259, 0.2588,
0.3892


■ 68.5084, 0.2646,
0.3776


■ 70.7237, 0.2720,
0.3664

 73.4006, 0.2808,
0.3560

 76.5656, 0.2906,
0.3463

 80.2428, 0.3012,
0.3374

 84.4549, 0.3121,
0.3294

 88.3636, 0.3203,
0.3221

Harmonies

Analogous

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



64.3235, 0.3233, 0.4655



64.3235, 0.2529, 0.4134



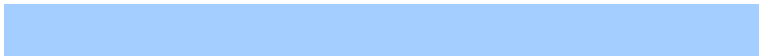
64.3235, 0.2024, 0.3317

Triad

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



64.3235, 0.2529, 0.4134



64.3235, 0.2248, 0.2130



64.3235, 0.4646, 0.3661

Complementary

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



64.3235, 0.2529, 0.4134



21.0174, 0.5119, 0.2793

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.



64.3235, 0.4338, 0.3103



64.3235, 0.2529, 0.4134



64.3235, 0.2867, 0.2270

Square

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



64.3235, 0.2529, 0.4134



64.3235, 0.1891, 0.2235



64.3235, 0.3649, 0.2614



64.3235, 0.4478, 0.4213

Rectangle

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



64.3235, 0.2529, 0.4134



64.3235, 0.1850, 0.2826



64.3235, 0.3649, 0.2614



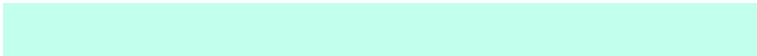
64.3235, 0.4597, 0.3472

Sweetspot

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



64.3260, 0.2529, 0.4134



89.0044, 0.2870, 0.3496



63.8678, 0.3238, 0.5619



18.7662, 0.2835, 0.3531



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.



64.3260, 0.2529, 0.4134



74.7514, 0.2542, 0.4336



48.9478, 0.2157, 0.2812



17.0365, 0.3023, 0.3365



34.5258, 0.2541, 0.4348



2.7284, 0.2495, 0.4183

Inverse Universe

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



21.0174, 0.5119, 0.2793



22.0892, 0.5673, 0.2916



24.1123, 0.5667, 0.3560



15.1321, 0.3243, 0.3216



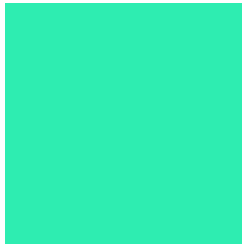
10.1247, 0.5707, 0.2917



0.8119, 0.5314, 0.2701

Previews

White Background



This preview shows how the Yxy color 64.3235, 0.2529, 0.4134 looks on a white background.

Color Contrast Check

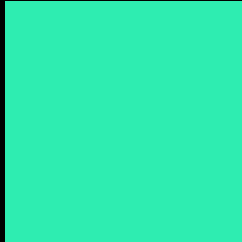
Large Text (above 18pt) WCAG AA × Fail

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 64.3235, 0.2529, 0.4134 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

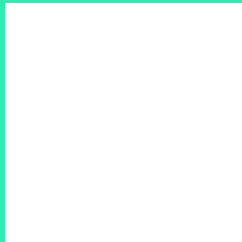
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3235, 0.2529, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 64.3235, 0.2529, 0.4134.

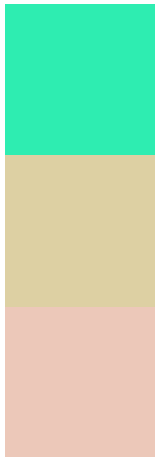


This preview shows how white text looks on a background with the Yxy color 64.3235, 0.2529, 0.4134.

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

64.3235, 0.2529, 0.4134

Protanopia

63.1282, 0.3557, 0.3807

Deuteranopia

62.6442, 0.3531, 0.3456



Tritanopia

64.1669, 0.2306, 0.3063

Trichromacy



Original Color

64.3235, 0.2529, 0.4134



Protanomaly

60.6583, 0.3021, 0.3957



Deuteranomaly

59.1814, 0.3002, 0.3687



Tritanomaly

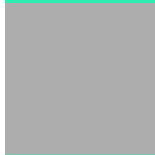
63.7500, 0.2376, 0.3420

Monochromacy



Original Color

64.3235, 0.2529, 0.4134



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.0479, 0.2771, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3235, 0.2529, 0.4134 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(46, 237, 177)` looks like.

```
.text, #text, p{  
    color:rgb(46, 237, 177)  
}
```

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(46, 237, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 237, 177) }
```

Border

The CSS property to change the border of an element to Yxy 64.3235, 0.2529, 0.4134 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(46, 237, 177) }
```

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

```
.border{ border-color:rgb(46, 237, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 237, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 237, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 237, 177);  
box-shadow:4px 4px 4px 4px rgb(46, 237,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3235, 0.2529, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 237, 177) }
```

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

```
.background{ background-color: rgb(46, 237,  
177) }
```

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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