

Converting Colors

$Y_{xy}(63.2894, 0.2544, 0.4320)$

Have a look what the booklet for
Yxy(63.2894, 0.2544, 0.4320)
contains.

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Color

Yxy(63.4136, 0.2546, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	12EDA5
RGB	18, 237, 165
RGB Percent	7%, 93%, 65%
CMY	0.9284, 0.0706, 0.3529
CMYK	0.92, 0.00, 0.30, 0.07
HSL	160°, 86%, 50%
HSV	160°, 92%, 93%
XYZ	37.3297, 63.4136, 45.8777
YIQ	163.3110, -107.4120, -68.8200

Conversions

Conversions Part 2

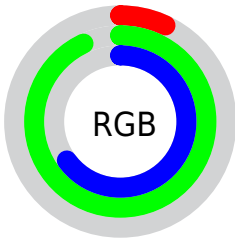
Format	Color
R _{YB}	18, 149, 237
Decimal	1240485
CIE Lab	83.66, -63.40, 21.89
CIE LCh	84, 67.075, 160.953
Yxy	63.4136, 0.2546, 0.4325
Android (android.graphics.Color)	4279430565 (0xFF12EDA5)
YUV	163.3110, 0.8327, -127.4377
Hunter-Lab	79.6327, -55.6810, 21.5849

Details

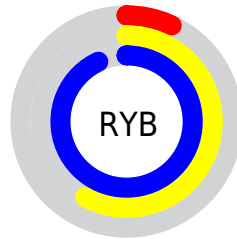
The Yxy color **63.4136, 0.2546, 0.4325** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **19.1876, 0.5468, 0.2836**, and the grayscale version is **36.8535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2647, 0.2573, 0.3713**, and **33.8348, 0.2599, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **63.0713, 0.2561, 0.4421**, and if you desaturate by 10%, it is **64.0691, 0.2540, 0.4199**.

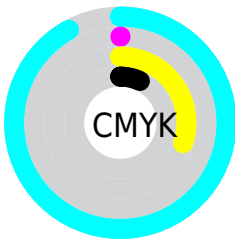
Distribution



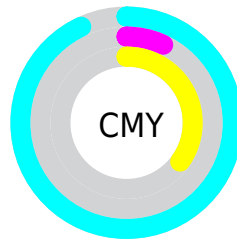
- Red (7%)
- Green (93%)
- Blue (65%)



- Red (7%)
- Yellow (58%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)




- Cyan (93%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4136, 0.2546, 0.4325 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 63.4136, 0.2546, 0.4325 by changing the saturation by 10% instead.


 63.4136, 0.2546,
0.4325

 63.4136, 0.2546,
0.4325


437.0690, 0.2836,
0.3802


 46.1759, 0.2474,
0.4456


 109.7660, 0.2651,
0.4134


 32.3846, 0.2383,
0.4625


 139.6495, 0.2691,
0.4062


 21.6555, 0.2263,
0.4850


 174.5170, 0.2724,
0.4002

 13.6040, 0.2098,
0.5161


 214.7529, 0.2753,
0.3950

 7.8457, 0.1861,
0.5617

 260.7417, 0.2778,
0.3906

 3.9964, 0.1499,
0.6334

312.8677, 0.2800,

 1.6715, 0.0000,

0.3867

0.9350

371.5153, 0.2819,
0.3832

■ 0.4051, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4136, 0.2546,
0.4325

■ 63.4136, 0.2546,
0.4325


■ 63.0713, 0.2561,
0.4421

■ 64.0691, 0.2540,
0.4199

■ 65.0346, 0.2554,
0.4071


■ 66.3581, 0.2589,
0.3944


■ 68.0775, 0.2643,
0.3821

 70.2259, 0.2713,
0.3703

 72.8325, 0.2798,
0.3591

 75.9242, 0.2892,
0.3488

 79.5256, 0.2995,
0.3394

 83.6597, 0.3102,
0.3308

Harmonies

Analogous

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



63.4136, 0.3322, 0.4833



63.4136, 0.2546, 0.4325



63.4136, 0.1971, 0.3417

Triad

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



63.4136, 0.2546, 0.4325



63.4136, 0.2109, 0.2033



63.4136, 0.4783, 0.3602

Complementary

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



63.4136, 0.2546, 0.4325



19.1876, 0.5468, 0.2836

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.



63.4136, 0.4389, 0.3010



63.4136, 0.2546, 0.4325



63.4136, 0.2746, 0.2157

Square

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



63.4136, 0.2546, 0.4325



63.4136, 0.1764, 0.2171



63.4136, 0.3594, 0.2502



63.4136, 0.4642, 0.4207

Rectangle

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



63.4136, 0.2546, 0.4325



63.4136, 0.1763, 0.2855



63.4136, 0.3594, 0.2502



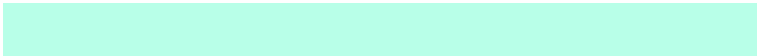
63.4136, 0.4711, 0.3400

Sweetspot

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



63.4161, 0.2546, 0.4325



87.4591, 0.2836, 0.3547



62.8451, 0.3202, 0.5795



18.3975, 0.2796, 0.3593



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.



63.4161, 0.2546, 0.4325



74.4636, 0.2563, 0.4426



47.8056, 0.2117, 0.2787



17.0327, 0.3025, 0.3369



34.4602, 0.2556, 0.4400



2.7236, 0.2508, 0.4227

Inverse Universe

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



19.1876, 0.5468, 0.2836



21.8987, 0.5706, 0.2917



20.7542, 0.6084, 0.3470



15.1358, 0.3241, 0.3213



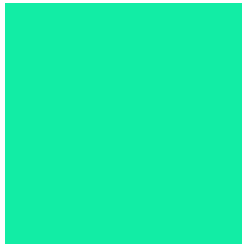
10.1516, 0.5653, 0.2888



0.8143, 0.5263, 0.2673

Previews

White Background



This preview shows how the Yxy color 63.4136, 0.2546, 0.4325 looks on a white background.

Color Contrast Check

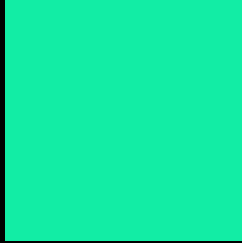
Large Text (above 18pt) WCAG AA × Fail

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 63.4136, 0.2546, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

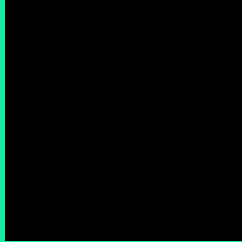
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4136, 0.2546, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 63.4136, 0.2546, 0.4325.

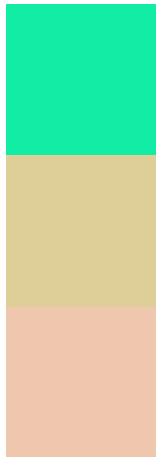


This preview shows how white text looks on a background with the Yxy color 63.4136, 0.2546, 0.4325.

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

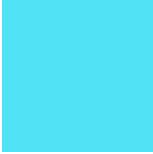
63.4136, 0.2546, 0.4325

Protanopia

61.9066, 0.3660, 0.3921

Deuteranopia

62.0800, 0.3637, 0.3566



Tritanopia

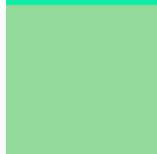
63.2801, 0.2290, 0.3061

Trichromacy



Original Color

63.4136, 0.2546, 0.4325



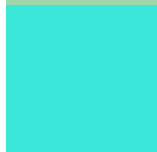
Protanomaly

58.3219, 0.3035, 0.4113



Deuteranomaly

57.7979, 0.3009, 0.3844



Tritanomaly

63.0092, 0.2365, 0.3489

Monochromacy



Original Color

63.4136, 0.2546, 0.4325



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.8222, 0.2717, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4136, 0.2546, 0.4325 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(18, 237, 165)` looks like.

```
.text, #text, p{  
    color:rgb(18, 237, 165)  
}
```

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(18, 237, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 237, 165) }
```

Border

The CSS property to change the border of an element to Yxy 63.4136, 0.2546, 0.4325 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(18, 237, 165) }
```

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

```
.border{ border-color:rgb(18, 237, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 237, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 237, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 237, 165);  
box-shadow:4px 4px 4px 4px rgb(18, 237,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4136, 0.2546, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 237, 165) }
```

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

```
.background{ background-color: rgb(18, 237,  
165) }
```

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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