

Converting Colors

$Yxy(68.8047, 0.2533, 0.4228)$

Have a look what the booklet for
Yxy(68.8047, 0.2533, 0.4228)
contains.

Yxy(68.8025, 0.2533, 0.4228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.8025, 0.2533, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	21F5B1
RGB	33, 245, 177
RGB Percent	13%, 96%, 69%
CMY	0.8700, 0.0392, 0.3058
CMYK	0.86, 0.00, 0.28, 0.04
HSL	161°, 91%, 55%
HSV	161°, 86%, 96%
XYZ	41.2197, 68.8025, 52.7084
YIQ	173.8600, -104.5240, -66.0920

Conversions

Conversions Part 2

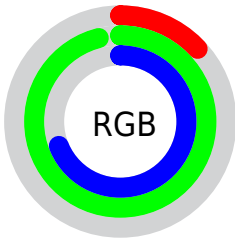
Format	Color
R_{YB}	33, 159, 245
Decimal	2225585
CIE _{Lab}	86.41, -62.94, 19.52
CIE _{LCh}	86, 65.900, 162.766
Yxy	68.8025, 0.2533, 0.4228
Android (android.graphics.Color)	4280415665 (0xFF21F5B1)
YUV	173.8600, 1.5480, -123.5342
Hunter-Lab	82.9473, -56.4543, 20.3875

Details

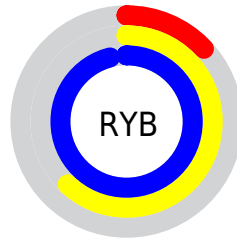
The Yxy color **68.8025, 0.2533, 0.4228** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **21.4510, 0.5312, 0.2809**, and the grayscale version is **42.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3963, 0.2538, 0.3549**, and **36.9959, 0.2564, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **68.2306, 0.2546, 0.4350**, and if you desaturate by 10%, it is **69.6912, 0.2539, 0.4104**.

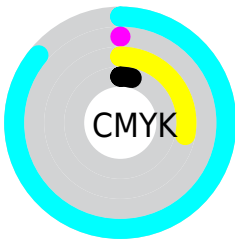
Distribution



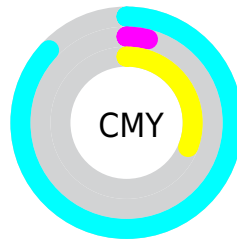
- Red (13%)
- Green (96%)
- Blue (69%)



- Red (13%)
- Yellow (62%)
- Blue (96%)



- Cyan (86%)
- Magenta (0%)
- Yellow (28%)
- Black (4%)





- Cyan (87%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8025, 0.2533, 0.4228 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 68.8025, 0.2533, 0.4228 by changing the saturation by 10% instead.


 68.8025, 0.2533,
0.4228

 68.8025, 0.2533,
0.4228


456.3341, 0.2822,
0.3763


 50.5509, 0.2464,
0.4342


 117.4994, 0.2636,
0.4060


 35.8513, 0.2376,
0.4488


 148.7136, 0.2675,
0.3997


 24.3194, 0.2263,
0.4679


 185.0173, 0.2709,
0.3943

 15.5707, 0.2110,
0.4940

 226.7950, 0.2738,
0.3897

 9.2209, 0.1896,
0.5315

 274.4312, 0.2763,
0.3856

 4.8855, 0.1579,
0.5894

328.3102, 0.2785,

 2.1803, 0.0636,

0.3821

0.7310

388.8163, 0.2805,
0.3790

0.7092, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.8025, 0.2533,
0.4228

68.8025, 0.2533,
0.4228

68.2306, 0.2546,
0.4350


69.6912, 0.2539,
0.4104


68.0714, 0.2554,
0.4393


70.9438, 0.2566,
0.3980


72.6071, 0.2612,
0.3858

74.7190, 0.2677,
0.3740

 77.3126, 0.2757,
0.3629

 80.4183, 0.2848,
0.3525

 84.0635, 0.2949,
0.3429

 88.2739, 0.3056,
0.3342

 93.0734, 0.3166,
0.3263

Harmonies

Analogous

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



68.8025, 0.3275, 0.4748



68.8025, 0.2533, 0.4228



68.8025, 0.1993, 0.3363

Triad

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



68.8025, 0.2533, 0.4228



68.8025, 0.2178, 0.2079



68.8025, 0.4719, 0.3634

Complementary

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



68.8025, 0.2533, 0.4228



21.4510, 0.5312, 0.2809

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.



68.8025, 0.4370, 0.3058



68.8025, 0.2533, 0.4228



68.8025, 0.2808, 0.2212

Square

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



68.8025, 0.2533, 0.4228



68.8025, 0.1825, 0.2199



68.8025, 0.3627, 0.2558



68.8025, 0.4562, 0.4215

Rectangle

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



68.8025, 0.2533, 0.4228



68.8025, 0.1802, 0.2836



68.8025, 0.3627, 0.2558



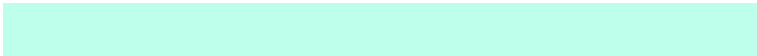
68.8025, 0.4660, 0.3438

Sweetspot

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



68.8052, 0.2533, 0.4228



88.2251, 0.2852, 0.3521



68.3444, 0.3229, 0.5716



18.6153, 0.2819, 0.3556



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.



68.8052, 0.2533, 0.4228



74.5435, 0.2554, 0.4396



52.8596, 0.2139, 0.2820



18.6620, 0.3023, 0.3367



36.6980, 0.2548, 0.4373



3.2441, 0.2506, 0.4220

Inverse Universe

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



21.4510, 0.5312, 0.2809



21.8667, 0.5736, 0.2934



23.7133, 0.5916, 0.3505



16.5702, 0.3243, 0.3214



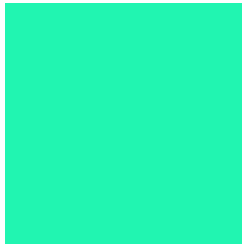
10.7814, 0.5688, 0.2907



0.9656, 0.5336, 0.2713

Previews

White Background



This preview shows how the Yxy color 68.8025, 0.2533, 0.4228 looks on a white background.

Color Contrast Check

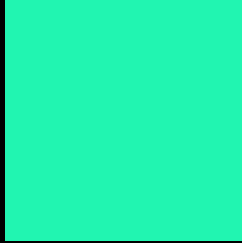
Large Text (above 18pt) WCAG AA × Fail

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 68.8025, 0.2533, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

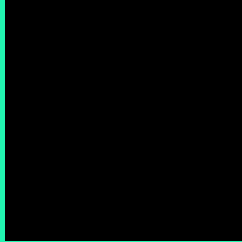
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8025, 0.2533, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 68.8025, 0.2533, 0.4228.

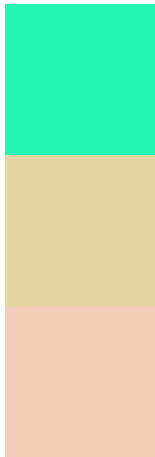


This preview shows how white text looks on a background with the Yxy color 68.8025, 0.2533, 0.4228.

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

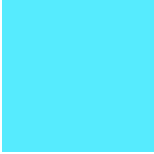
68.8025, 0.2533, 0.4228

Protanopia

67.3955, 0.3604, 0.3858

Deuteranopia

67.1003, 0.3582, 0.3504



Tritanopia

68.5509, 0.2293, 0.3057

Trichromacy



Original Color

68.8025, 0.2533, 0.4228



Protanomaly

63.9467, 0.3027, 0.4024



Deuteranomaly

62.9301, 0.3002, 0.3757



Tritanomaly

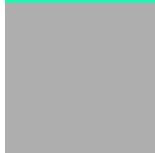
68.4173, 0.2369, 0.3455

Monochromacy



Original Color

68.8025, 0.2533, 0.4228



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

48.6147, 0.2745, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8025, 0.2533, 0.4228 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(33, 245, 177)` looks like.

```
.text, #text, p{  
    color:rgb(33, 245, 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(33, 245, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 245, 177) }
```

Border

The CSS property to change the border of an element to Yxy 68.8025, 0.2533, 0.4228 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(33, 245, 177) }
```

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

```
.border{ border-color:rgb(33, 245, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 245, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 245, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 245, 177);  
box-shadow:4px 4px 4px 4px rgb(33, 245,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8025, 0.2533, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 245, 177) }
```

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

```
.background{ background-color: rgb(33, 245,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor