

Converting Colors

Yxy(67.9526, 0.2521, 0.4249)

Have a look what the booklet for
Yxy(67.9526, 0.2521, 0.4249)
contains.

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Color

Yxy(67.8899, 0.2522, 0.4251)

Conversions

Conversions Part 1

Format	Color
Hex	0FF4AF
RGB	15, 244, 175
RGB Percent	6%, 96%, 69%
CMY	0.9424, 0.0432, 0.3137
CMYK	0.94, 0.00, 0.28, 0.04
HSL	162°, 91%, 51%
HSV	162°, 94%, 96%
XYZ	40.2772, 67.8899, 51.5363
YIQ	167.6630, -114.3350, -70.0070

Conversions

Conversions Part 2

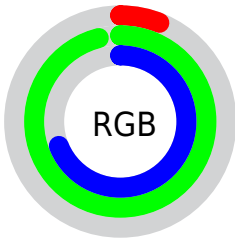
Format	Color
R _Y B	15, 150, 244
Decimal	1045679
CIE Lab	85.95, -63.89, 19.91
CIE LCh	86, 66.919, 162.688
Yxy	67.8899, 0.2522, 0.4251
Android (android.graphics.Color)	4279235759 (0xFF0FF4AF)
YUV	167.6630, 3.6171, -133.8855
Hunter-Lab	82.3953, -56.9359, 20.5923

Details

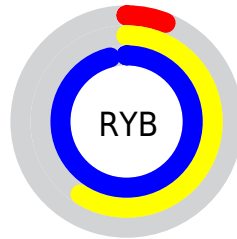
The Yxy color **67.8899, 0.2522, 0.4251** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **20.2008, 0.5626, 0.2910**, and the grayscale version is **38.9597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9344, 0.2529, 0.3575**, and **36.5230, 0.2571, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **67.6225, 0.2533, 0.4319**, and if you desaturate by 10%, it is **68.5232, 0.2515, 0.4136**.

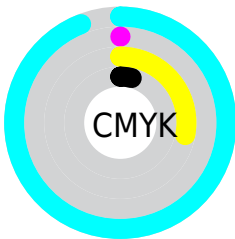
Distribution



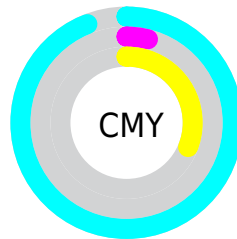
- Red (6%)
- Green (96%)
- Blue (69%)



- Red (6%)
- Yellow (59%)
- Blue (96%)



- Cyan (94%)
- Magenta (0%)
- Yellow (28%)
- Black (4%)




- Cyan (94%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8899, 0.2522, 0.4251 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 67.8899, 0.2522, 0.4251 by changing the saturation by 10% instead.


 67.8899, 0.2522,
0.4251


 67.8899, 0.2522,
0.4251


453.1058, 0.2818,
0.3773

 49.8082, 0.2451,
0.4369

 116.1946, 0.2628,
0.4078


 35.2610, 0.2361,
0.4519


 147.1864, 0.2668,
0.4013

 23.8640, 0.2244,
0.4717


 183.2503, 0.2702,
0.3958

 15.2328, 0.2087,
0.4988

 224.7708, 0.2731,
0.3910

 8.9829, 0.1866,
0.5379

 272.1322, 0.2757,
0.3869

 4.7300, 0.1538,
0.5983


325.7189, 0.2780,

 2.0897, 0.0434,


0.3833


0.7629


385.9153, 0.2800,
0.3801


 0.6589, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.8899, 0.2522,
0.4251

 67.8899, 0.2522,
0.4251

 67.6225, 0.2533,
0.4319

 68.5232, 0.2515,
0.4136


 69.4755, 0.2528,
0.4020


 70.8005, 0.2562,
0.3905

 72.5400, 0.2615,
0.3792

 74.7300, 0.2685,
0.3684

 77.4027, 0.2770,
0.3582

 80.5871, 0.2867,
0.3486

 84.3101, 0.2972,
0.3399

 88.5963, 0.3082,
0.3319

Harmonies

Analogous

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



67.8899, 0.3276, 0.4780



67.8899, 0.2522, 0.4251



67.8899, 0.1974, 0.3365

Triad

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



67.8899, 0.2522, 0.4251



67.8899, 0.2160, 0.2059



67.8899, 0.4749, 0.3635

Complementary

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



67.8899, 0.2522, 0.4251



20.2008, 0.5626, 0.2910

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.



67.8899, 0.4393, 0.3051



67.8899, 0.2522, 0.4251



67.8899, 0.2800, 0.2194

Square

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



67.8899, 0.2522, 0.4251



67.8899, 0.1803, 0.2180



67.8899, 0.3634, 0.2544



67.8899, 0.4588, 0.4226

Rectangle

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



67.8899, 0.2522, 0.4251



67.8899, 0.1780, 0.2827



67.8899, 0.3634, 0.2544



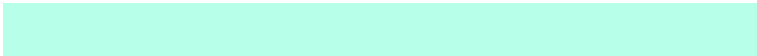
67.8899, 0.4689, 0.3436

Sweetspot

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



67.8926, 0.2522, 0.4251



87.5737, 0.2826, 0.3525



66.7733, 0.3176, 0.5828



18.4253, 0.2785, 0.3566



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.



67.8926, 0.2522, 0.4251



74.7451, 0.2534, 0.4322



48.8516, 0.2096, 0.2721



18.6679, 0.3021, 0.3362



36.7964, 0.2528, 0.4301



3.2522, 0.2488, 0.4158

Inverse Universe

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



20.2008, 0.5626, 0.2910



21.7920, 0.5808, 0.2973



22.1662, 0.6099, 0.3481



16.5646, 0.3246, 0.3219



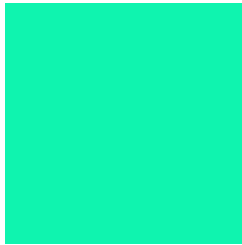
10.7436, 0.5761, 0.2947



0.9617, 0.5407, 0.2752

Previews

White Background



This preview shows how the Yxy color 67.8899, 0.2522, 0.4251 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 67.8899, 0.2522, 0.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

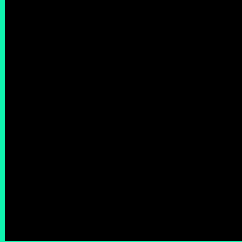
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8899, 0.2522, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 67.8899, 0.2522, 0.4251.

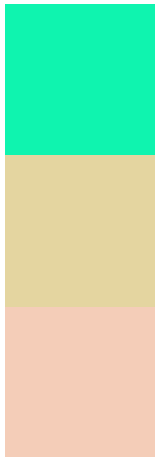


This preview shows how white text looks on a background with the Yxy color 67.8899, 0.2522, 0.4251.

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

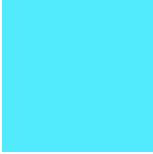
67.8981, 0.2522, 0.4251

Protanopia

66.6205, 0.3621, 0.3882

Deuteranopia

66.3564, 0.3592, 0.3516



Tritanopia

67.7313, 0.2284, 0.3055

Trichromacy



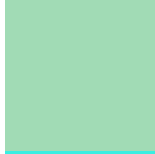
Original Color

67.8981, 0.2522, 0.4251



Protanomaly

62.5120, 0.2993, 0.4065



Deuteranomaly

61.5763, 0.2968, 0.3778



Tritanomaly

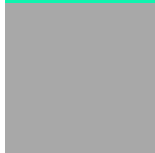
67.4849, 0.2352, 0.3457

Monochromacy



Original Color

67.8981, 0.2522, 0.4251



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.8649, 0.2697, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8899, 0.2522, 0.4251 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(15, 244, 175)` looks like.

```
.text, #text, p{  
    color:rgb(15, 244, 175)  
}
```

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(15, 244, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 244, 175) }
```

Border

The CSS property to change the border of an element to Yxy 67.8899, 0.2522, 0.4251 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(15, 244, 175) }
```

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

```
.border{ border-color:rgb(15, 244, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 244, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 244, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 244, 175);  
box-shadow:4px 4px 4px 4px rgb(15, 244,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8899, 0.2522, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 244, 175) }
```

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

```
.background{ background-color: rgb(15, 244,  
175) }
```

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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