

Converting Colors

$Y_{xy}(70.5989, 0.2583, 0.4457)$

Have a look what the booklet for
Yxy(70.5989, 0.2583, 0.4457)
contains.

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Color

Yxy(70.6167, 0.2582, 0.4451)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 15F9A5 |
| RGB | 21, 249, 165 |
| RGB Percent | 8%, 98%, 65% |
| CMY | 0.9194, 0.0236, 0.3529 |
| CMYK | 0.92, 0.00, 0.34, 0.02 |
| HSL | 158°, 95%, 53% |
| HSV | 158°, 92%, 98% |
| XYZ | 40.9643, 70.6167, 47.0725 |
| YIQ | 171.2520, -108.9240, -74.4600 |

Conversions

Conversions Part 2

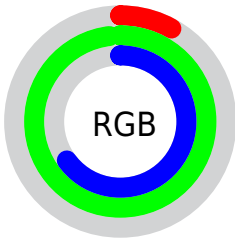
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 21, 161, 249 |
| Decimal | 1440165 |
| CIE Lab | 87.30, -67.57, 26.87 |
| CIE LCh | 87, 72.718, 158.312 |
| Yxy | 70.6167, 0.2582, 0.4451 |
| Android (android.graphics.Color) | 4279630245 (0xFF15F9A5) |
| YUV | 171.2520, -3.0822, -131.7710 |
| Hunter-Lab | 84.0337, -60.0448, 25.6116 |

Details

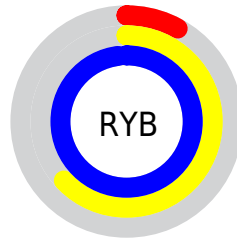
The Yxy color **70.6167, 0.2582, 0.4451** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **21.6687, 0.5315, 0.2752**, and the grayscale version is **40.8411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4692, 0.2584, 0.3712**, and **38.4539, 0.2636, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **70.1980, 0.2602, 0.4566**, and if you desaturate by 10%, it is **71.3784, 0.2573, 0.4308**.

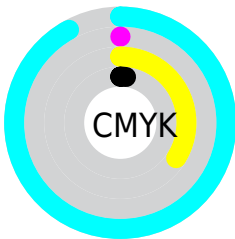
Distribution



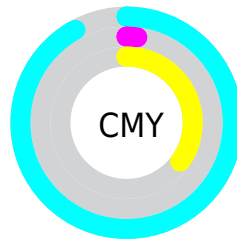
- Red (8%)
- Green (98%)
- Blue (65%)



- Red (8%)
- Yellow (63%)
- Blue (98%)



- Cyan (92%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)





- Cyan (92%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6167, 0.2582, 0.4451 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 70.6167, 0.2582, 0.4451 by changing the saturation by 10% instead.


 70.6167, 0.2582,
0.4451

 70.6167, 0.2582,
0.4451

462.7124, 0.2854,
0.3871


 52.0295, 0.2515,
0.4594


 120.0878, 0.2681,
0.4241


 37.0286, 0.2429,
0.4777


 151.7404, 0.2718,
0.4162


 25.2296, 0.2317,
0.5017

 188.5170, 0.2749,
0.4095

 16.2482, 0.2163,
0.5345

 230.8019, 0.2776,
0.4037

 9.7000, 0.1944,
0.5814

 278.9794, 0.2800,
0.3987

 5.2005, 0.1611,
0.6526

333.4341, 0.2820,

 2.3654, 0.0622,

0.3943

0.8625

394.5503, 0.2838,
0.3905

■ 0.8080, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6167, 0.2582,
0.4451

■ 70.6167, 0.2582,
0.4451


■ 70.1980, 0.2602,
0.4566


■ 71.3784, 0.2573,
0.4308


■ 72.4951, 0.2585,
0.4164


■ 74.0207, 0.2617,
0.4021


■ 75.9978, 0.2669,
0.3881

 78.4636, 0.2736,
0.3748

 81.4513, 0.2817,
0.3623

 84.9909, 0.2909,
0.3507

 89.1103, 0.3007,
0.3401

 93.8355, 0.3109,
0.3306

Harmonies

Analogous

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



70.6167, 0.3396, 0.4922



70.6167, 0.2582, 0.4451



70.6167, 0.1963, 0.3505

Triad

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



70.6167, 0.2582, 0.4451



70.6167, 0.2025, 0.1987



70.6167, 0.4842, 0.3548

Complementary

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



70.6167, 0.2582, 0.4451



21.6687, 0.5315, 0.2752

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.



70.6167, 0.4386, 0.2944



70.6167, 0.2582, 0.4451



70.6167, 0.2658, 0.2094

Square

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



70.6167, 0.2582, 0.4451



70.6167, 0.1697, 0.2152



70.6167, 0.3532, 0.2432



70.6167, 0.4734, 0.4178

Rectangle

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



70.6167, 0.2582, 0.4451



70.6167, 0.1730, 0.2900



70.6167, 0.3532, 0.2432



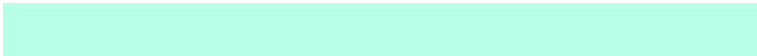
70.6167, 0.4752, 0.3341

Sweetspot

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



70.6195, 0.2582, 0.4451



87.3043, 0.2850, 0.3578



70.9960, 0.3256, 0.5750



18.3601, 0.2812, 0.3630



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.



70.6195, 0.2582, 0.4451



74.1022, 0.2602, 0.4568



59.4182, 0.2161, 0.2944



19.4940, 0.3029, 0.3379



37.6061, 0.2595, 0.4543



3.5034, 0.2549, 0.4376

Inverse Universe

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



21.6687, 0.5315, 0.2752



22.0636, 0.5557, 0.2835



22.2400, 0.6157, 0.3405



17.3307, 0.3236, 0.3203



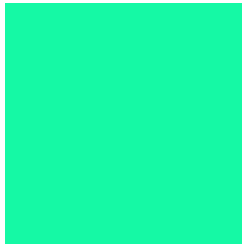
11.2148, 0.5512, 0.2810



1.0583, 0.5186, 0.2630

Previews

White Background



This preview shows how the Yxy color 70.6167, 0.2582, 0.4451 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 70.6167, 0.2582, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

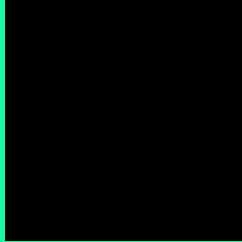
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6167, 0.2582, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 70.6167, 0.2582, 0.4451.



This preview shows how white text looks on a background with the Yxy color 70.6167, 0.2582, 0.4451.

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

70.6274, 0.2582, 0.4451

Protanopia

68.8385, 0.3723, 0.4000

Deuteranopia

68.8632, 0.3725, 0.3647



Tritanopia

70.4977, 0.2335, 0.3072

Trichromacy



Original Color

70.6274, 0.2582, 0.4451



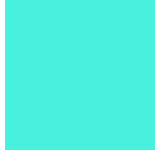
Protanomaly

64.9550, 0.3083, 0.4221



Deuteranomaly

64.0405, 0.3076, 0.3949



Tritanomaly

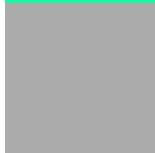
69.5241, 0.2400, 0.3533

Monochromacy



Original Color

70.6274, 0.2582, 0.4451



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.4244, 0.2738, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6167, 0.2582, 0.4451 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(21, 249, 165)` looks like.

```
.text, #text, p{  
    color:rgb(21, 249, 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(21, 249, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 249, 165) }
```

Border

The CSS property to change the border of an element to Yxy 70.6167, 0.2582, 0.4451 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(21, 249, 165) }
```

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

```
.border{ border-color:rgb(21, 249, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 249, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 249, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 249, 165);  
box-shadow:4px 4px 4px 4px rgb(21, 249,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6167, 0.2582, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 249, 165) }
```

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

```
.background{ background-color: rgb(21, 249,  
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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