

Converting Colors

$Y_{xy}(69.7292, 0.2657, 0.4765)$

Have a look what the booklet for
Yxy(69.7292, 0.2657, 0.4765)
contains.

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Color

Yxy(69.7650, 0.2656, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	00F990
RGB	0, 249, 144
RGB Percent	0%, 98%, 56%
CMY	1.0000, 0.0235, 0.4352
CMYK	1.00, 0.00, 0.42, 0.02
HSL	155°, 100%, 49%
HSV	155°, 100%, 98%
XYZ	38.9032, 69.7650, 37.8046
YIQ	162.5790, -114.6990, -85.4430

Conversions

Conversions Part 2

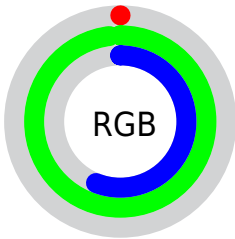
Format	Color
RYB	0, 158, 249
Decimal	63888
CIELab	86.88, -72.22, 36.81
CIELCh	87, 81.058, 152.990
Yxy	69.7650, 0.2656, 0.4763
Android (android.graphics.Color)	4278253968 (0xFF00F990)
YUV	162.5790, -9.1594, -142.5818
Hunter-Lab	83.5254, -63.0306, 31.6324

Details

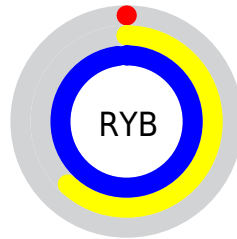
The Yxy color **69.7650, 0.2656, 0.4763** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.1618, 0.5333, 0.2712**, and the grayscale version is **36.5053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2209, 0.2667, 0.3986**, and **38.0343, 0.2742, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **69.7726, 0.2656, 0.4763**, and if you desaturate by 10%, it is **70.3142, 0.2629, 0.4604**.

Distribution



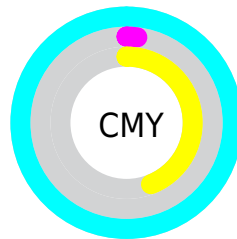
- Red (0%)
- Green (98%)
- Blue (56%)



- Red (0%)
- Yellow (62%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7650, 0.2656, 0.4763 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 69.7650, 0.2656, 0.4763 by changing the saturation by 10% instead.

 69.7650, 0.2656,
0.4763


 69.7650, 0.2656,
0.4763


459.7244, 0.2907,
0.4017


 51.3350, 0.2590,
0.4949


 118.8736, 0.2750,
0.4491


 36.4753, 0.2503,
0.5186


 150.3209, 0.2785,
0.4389

 24.8015, 0.2387,
0.5498


 186.8761, 0.2813,
0.4303

 15.9292, 0.2221,
0.5921

 228.9236, 0.2838,
0.4229

 9.4741, 0.1976,
0.6519

 276.8478, 0.2859,
0.4166

 5.0517, 0.1596,
0.7424


331.0331, 0.2877,


 2.2776, 0.0058,


0.4110


0.9942

391.8638, 0.2893,
0.4061


 0.7618, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.7650, 0.2656,
0.4763


 69.7650, 0.2656,
0.4763

 69.7726, 0.2656,
0.4763

 70.3142, 0.2629,
0.4604

 71.1487, 0.2620,
0.4440

 72.3578, 0.2631,
0.4273

 73.9911, 0.2662,
0.4107

■ 76.0904, 0.2711,
0.3946

■ 78.6921, 0.2777,
0.3792

■ 81.8292, 0.2854,
0.3649

■ 85.5315, 0.2940,
0.3517

■ 89.8267, 0.3032,
0.3398

Harmonies

Analogous

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



69.7650, 0.3560, 0.5130



69.7650, 0.2656, 0.4763



69.7650, 0.1932, 0.3721

Triad

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



69.7650, 0.2656, 0.4763



69.7650, 0.1831, 0.1872



69.7650, 0.4994, 0.3425

Complementary

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



69.7650, 0.2656, 0.4763



21.1618, 0.5333, 0.2712

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.



69.7650, 0.4385, 0.2790



69.7650, 0.2656, 0.4763



69.7650, 0.2455, 0.1943

Square

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



69.7650, 0.2656, 0.4763



69.7650, 0.1538, 0.2098



69.7650, 0.3388, 0.2267



69.7650, 0.4960, 0.4108

Rectangle

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



69.7650, 0.2656, 0.4763



69.7650, 0.1643, 0.3004



69.7650, 0.3388, 0.2267



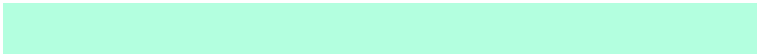
69.7650, 0.4859, 0.3206

Sweetspot

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



69.7726, 0.2656, 0.4763



86.3581, 0.2854, 0.3650



70.9408, 0.3268, 0.5788



18.1700, 0.2820, 0.3709



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.



69.7726, 0.2656, 0.4763



73.6415, 0.2657, 0.4765



64.7851, 0.2188, 0.3077



19.4776, 0.3037, 0.3392



37.3732, 0.2649, 0.4737



3.4826, 0.2596, 0.4547

Inverse Universe

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



21.1618, 0.5333, 0.2712



22.3326, 0.5336, 0.2713



20.5305, 0.6365, 0.3328



17.3467, 0.3227, 0.3190



11.3533, 0.5293, 0.2689



1.0722, 0.4986, 0.2520

Previews

White Background



This preview shows how the Yxy color 69.7650, 0.2656, 0.4763 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 69.7650, 0.2656, 0.4763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

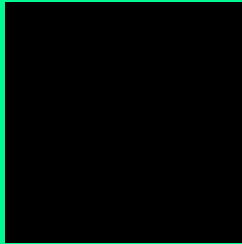
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7650, 0.2656, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 69.7650, 0.2656, 0.4763.

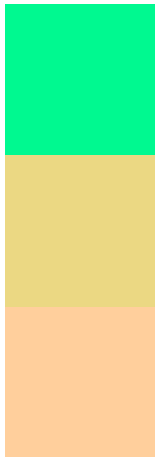


This preview shows how white text looks on a background with the Yxy color 69.7650, 0.2656, 0.4763.

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

69.7650, 0.2656, 0.4763

Protanopia

68.4126, 0.3867, 0.4205

Deuteranopia

68.2859, 0.3890, 0.3819



Tritanopia

69.5381, 0.2312, 0.3059

Trichromacy



Original Color

69.7650, 0.2656, 0.4763



Protanomaly

63.7484, 0.3158, 0.4497



Deuteranomaly

62.1909, 0.3152, 0.4198



Tritanomaly

68.7467, 0.2403, 0.3629

Monochromacy



Original Color

69.7650, 0.2656, 0.4763



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.9269, 0.2738, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7650, 0.2656, 0.4763 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(0, 249, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 144)  
}
```

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(0, 249, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 144) }
```

Border

The CSS property to change the border of an element to Yxy 69.7650, 0.2656, 0.4763 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(0, 249, 144) }
```

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

```
.border{ border-color:rgb(0, 249, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7650, 0.2656, 0.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 144) }
```

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

```
.background{ background-color: rgb(0, 249,  
144) }
```

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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