

Converting Colors

Yxy(63.3108, 0.2763, 0.5147)

Have a look what the booklet for
Yxy(63.3108, 0.2763, 0.5147)
contains.

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Color

Yxy(63.4900, 0.2763, 0.5147)

Conversions

Conversions Part 1

Format	Color
Hex	00F070
RGB	0, 240, 112
RGB Percent	0%, 94%, 44%
CMY	1.0000, 0.0588, 0.5609
CMYK	1.00, 0.00, 0.53, 0.06
HSL	148°, 100%, 47%
HSV	148°, 100%, 94%
XYZ	34.0825, 63.4900, 25.7809
YIQ	153.6480, -101.9520, -90.6880

Conversions

Conversions Part 2

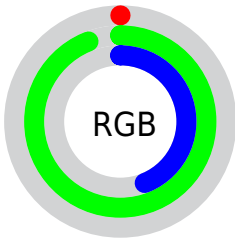
Format	Color
RYB	0, 164, 240
Decimal	61552
CIELab	83.70, -74.52, 48.17
CIELCh	84, 88.728, 147.122
Yxy	63.4900, 0.2763, 0.5147
Android (android.graphics.Color)	4278251632 (0xFF00F070)
YUV	153.6480, -20.5325, -134.7493
Hunter-Lab	79.6806, -63.0896, 36.5930

Details

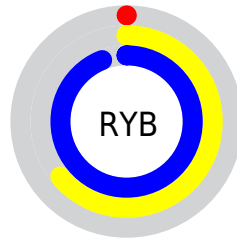
The Yxy color **63.4900, 0.2763, 0.5147** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **20.0856, 0.4850, 0.2446**, and the grayscale version is **32.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7179, 0.2810, 0.4428**, and **33.7717, 0.2871, 0.5534** is the 20% darker color. If you saturate the color by 10%, you get **63.4933, 0.2763, 0.5147**, and if you desaturate by 10%, it is **63.9932, 0.2730, 0.4959**.

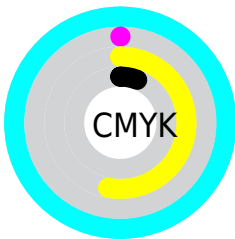
Distribution



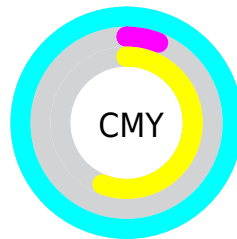
- Red (0%)
- Green (94%)
- Blue (44%)



- Red (0%)
- Yellow (64%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4900, 0.2763, 0.5147 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 63.4900, 0.2763, 0.5147 by changing the saturation by 10% instead.


 63.4900, 0.2763,
0.5147

 63.4900, 0.2763,
0.5147


437.3456, 0.2987,
0.4186


 46.2377, 0.2695,
0.5389


 109.8761, 0.2854,
0.4794


 32.4335, 0.2601,
0.5699


 139.7788, 0.2885,
0.4663


 21.6928, 0.2467,
0.6104

 174.6670, 0.2911,
0.4552

 13.6313, 0.2265,
0.6645

 214.9252, 0.2932,
0.4457

 7.8647, 0.1950,
0.7397

 260.9378, 0.2949,
0.4375

 4.0085, 0.1441,
0.8559

313.0891, 0.2964,

 1.6783, 0.0000,

0.4304

1.0000

371.7636, 0.2976,
0.4242

■ 0.4096, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4900, 0.2763,
0.5147

■ 63.4900, 0.2763,
0.5147

■ 63.4933, 0.2763,
0.5147

■ 63.9932, 0.2730,
0.4959

■ 64.7753, 0.2713,
0.4757

■ 65.9162, 0.2716,
0.4547

■ 67.4620, 0.2739,
0.4336

■ 69.4515, 0.2779,
0.4129

■ 71.9188, 0.2833,
0.3932

■ 74.8944, 0.2898,
0.3748

■ 78.4065, 0.2971,
0.3579

■ 82.4810, 0.3048,
0.3426

Harmonies

Analogous

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



63.4900, 0.3761, 0.5323



63.4900, 0.2763, 0.5147



63.4900, 0.1916, 0.4029

Triad

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



63.4900, 0.2763, 0.5147



63.4900, 0.1613, 0.1751



63.4900, 0.5147, 0.3264

Complementary

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



63.4900, 0.2763, 0.5147



20.0856, 0.4850, 0.2446

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.



63.4900, 0.4340, 0.2602



63.4900, 0.2763, 0.5147



63.4900, 0.2211, 0.1776

Square

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



63.4900, 0.2763, 0.5147



63.4900, 0.1365, 0.2052



63.4900, 0.3186, 0.2075



63.4900, 0.5218, 0.3992

Rectangle

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



63.4900, 0.2763, 0.5147



63.4900, 0.1557, 0.3169



63.4900, 0.3186, 0.2075



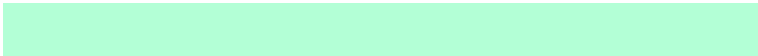
63.4900, 0.4951, 0.3034

Sweetspot

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



63.4933, 0.2763, 0.5147



85.9091, 0.2898, 0.3749



67.2297, 0.3426, 0.5662



18.0638, 0.2869, 0.3825



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.



63.4933, 0.2763, 0.5147



72.8513, 0.2765, 0.5153



67.9256, 0.2290, 0.3444



17.7791, 0.3052, 0.3419



34.7815, 0.2755, 0.5118



2.9134, 0.2685, 0.4867

Inverse Universe

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



20.0856, 0.4850, 0.2446



23.0383, 0.4857, 0.2449



18.5529, 0.6362, 0.3279



15.8998, 0.3210, 0.3165



11.0217, 0.4817, 0.2427



0.9370, 0.4547, 0.2278

Previews

White Background



This preview shows how the Yxy color 63.4900, 0.2763, 0.5147 looks on a white background.

Color Contrast Check

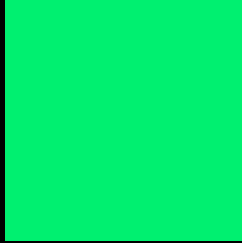
Large Text (above 18pt) WCAG AA × Fail

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 63.4900, 0.2763, 0.5147 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 63.4900, 0.2763, 0.5147

Background



This preview shows how black text looks on a background with the Yxy color 63.4900, 0.2763, 0.5147.

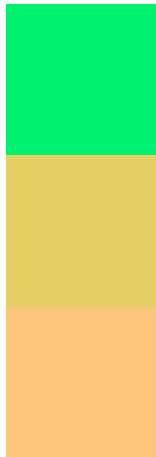


This preview shows how white text looks on a background with the Yxy color 63.4900, 0.2763, 0.5147.

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

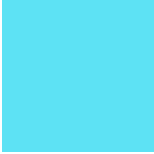
63.4900, 0.2763, 0.5147

Protanopia

62.2232, 0.4055, 0.4428

Deuteranopia

61.8718, 0.4151, 0.4056



Tritanopia

63.2515, 0.2326, 0.3062

Trichromacy



Original Color

63.4900, 0.2763, 0.5147



Protanomaly

57.7939, 0.3313, 0.4818



Deuteranomaly

56.3940, 0.3352, 0.4542



Tritanomaly

62.0672, 0.2453, 0.3773

Monochromacy



Original Color

63.4900, 0.2763, 0.5147



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

39.1587, 0.2795, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4900, 0.2763, 0.5147 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, 240, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 112)  
}
```

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, 240, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 112) }
```

Border

The CSS property to change the border of an element to Yxy 63.4900, 0.2763, 0.5147 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, 240, 112) }
```

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

```
.border{ border-color:rgb(0, 240, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4900, 0.2763, 0.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 112) }
```

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

```
.background{ background-color: rgb(0, 240,  
112) }
```

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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