

Converting Colors

$Y_{xy}(63.4781, 0.2735, 0.5046)$

Have a look what the booklet for
Yxy(63.4781, 0.2735, 0.5046)
contains.

Yxy(63.6521, 0.2736, 0.5049)	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(63.6521, 0.2736, 0.5049)

Conversions

Conversions Part 1

Format	Color
Hex	00F077
RGB	0, 240, 119
RGB Percent	0%, 94%, 47%
CMY	0.9991, 0.0588, 0.5333
CMYK	1.00, 0.00, 0.50, 0.06
HSL	150°, 100%, 47%
HSV	150°, 100%, 94%
XYZ	34.4924, 63.6521, 27.9242
YIQ	154.4460, -104.1990, -88.5110

Conversions

Conversions Part 2

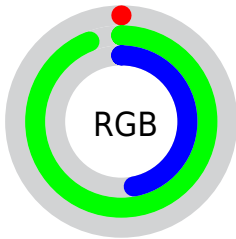
Format	Color
RYB	0, 160, 240
Decimal	61559
CIELab	83.78, -73.46, 44.97
CIELCh	84, 86.137, 148.525
Yxy	63.6521, 0.2736, 0.5049
Android (android.graphics.Color)	4278251639 (0xFF00F077)
YUV	154.4460, -17.4749, -135.4491
Hunter-Lab	79.7823, -62.4478, 35.0958

Details

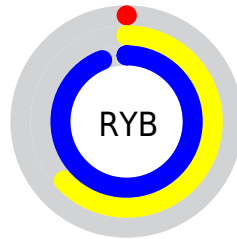
The Yxy color **63.6521, 0.2736, 0.5049** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **19.9164, 0.4972, 0.2513**, and the grayscale version is **32.6672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9819, 0.2778, 0.4334**, and **33.8611, 0.2838, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **63.6504, 0.2736, 0.5051**, and if you desaturate by 10%, it is **64.1601, 0.2704, 0.4867**.

Distribution



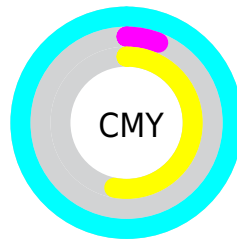
- Red (0%)
- Green (94%)
- Blue (47%)



- Red (0%)
- Yellow (63%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6521, 0.2736, 0.5049 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 63.6521, 0.2736, 0.5049 by changing the saturation by 10% instead.


 63.6521, 0.2736,
0.5049


 63.6521, 0.2736,
0.5049

437.9322, 0.2967,
0.4140


 46.3690, 0.2668,
0.5279


 110.1098, 0.2828,
0.4715


 32.5371, 0.2576,
0.5574

 140.0530, 0.2860,
0.4590


 21.7720, 0.2446,
0.5961


 174.9852, 0.2886,
0.4485

 13.6895, 0.2252,
0.6484

 215.2905, 0.2908,
0.4396

 7.9050, 0.1948,
0.7206

 261.3535, 0.2926,
0.4319

 4.0342, 0.1495,
0.8505

313.5586, 0.2942,

 1.6927, 0.0000,

0.4251

1.0000

372.2900, 0.2955,
0.4192

■ 0.4189, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6521, 0.2736,
0.5049

■ 63.6521, 0.2736,
0.5049


■ 63.6504, 0.2736,
0.5051

■ 64.1601, 0.2704,
0.4867


■ 64.9453, 0.2689,
0.4674


■ 66.0858, 0.2694,
0.4474

■ 67.6273, 0.2719,
0.4274

 69.6083, 0.2762,
0.4079

 72.0627, 0.2819,
0.3893

 75.0208, 0.2888,
0.3720

 78.5105, 0.2964,
0.3561

 82.5574, 0.3045,
0.3417

Harmonies

Analogous

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



63.6521, 0.3711, 0.5279



63.6521, 0.2736, 0.5049



63.6521, 0.1919, 0.3947

Triad

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



63.6521, 0.2736, 0.5049



63.6521, 0.1667, 0.1781



63.6521, 0.5109, 0.3305

Complementary

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



63.6521, 0.2736, 0.5049



19.9164, 0.4972, 0.2513

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.



63.6521, 0.4353, 0.2649



63.6521, 0.2736, 0.5049



63.6521, 0.2273, 0.1818

Square

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



63.6521, 0.2736, 0.5049



63.6521, 0.1408, 0.2063



63.6521, 0.3238, 0.2123



63.6521, 0.5153, 0.4023

Rectangle

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



63.6521, 0.2736, 0.5049



63.6521, 0.1579, 0.3124



63.6521, 0.3238, 0.2123



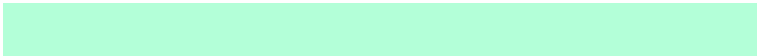
63.6521, 0.4929, 0.3078

Sweetspot

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



63.6547, 0.2736, 0.5049



86.0227, 0.2886, 0.3723



66.6150, 0.3378, 0.5699



18.0906, 0.2856, 0.3795



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.



63.6547, 0.2736, 0.5049



73.0348, 0.2738, 0.5056



68.3789, 0.2261, 0.3339



17.7870, 0.3048, 0.3412



34.8696, 0.2728, 0.5022



2.9209, 0.2661, 0.4780

Inverse Universe

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



19.9164, 0.4972, 0.2513



22.8363, 0.4981, 0.2518



18.5398, 0.6387, 0.3293



15.8919, 0.3214, 0.3171



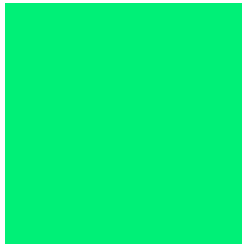
10.9250, 0.4939, 0.2494



0.9290, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 63.6521, 0.2736, 0.5049 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 63.6521, 0.2736, 0.5049 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 63.6521, 0.2736, 0.5049

Background



This preview shows how black text looks on a background with the Yxy color 63.6521, 0.2736, 0.5049.



This preview shows how white text looks on a background with the Yxy color 63.6521, 0.2736, 0.5049.

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

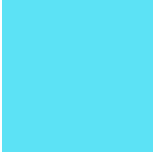
63.6521, 0.2736, 0.5049

Protanopia

62.2023, 0.4004, 0.4368

Deuteranopia

62.3239, 0.4086, 0.4001



Tritanopia

63.2606, 0.2319, 0.3050

Trichromacy



Original Color

63.6521, 0.2736, 0.5049



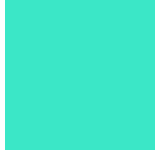
Protanomaly

57.8526, 0.3268, 0.4735



Deuteranomaly

56.4658, 0.3302, 0.4455



Tritanomaly

62.2052, 0.2440, 0.3730

Monochromacy



Original Color

63.6521, 0.2736, 0.5049



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.7235, 0.2783, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6521, 0.2736, 0.5049 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 119) }
```

Border

The CSS property to change the border of an element to Yxy 63.6521, 0.2736, 0.5049 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, 119) }
```

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

```
.border{ border-color:rgb(0, 240, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6521, 0.2736, 0.5049 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, 119) }
```

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

```
.background{ background-color: rgb(0, 240,  
119) }
```

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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