

Converting Colors

$Y_{xy}(64.8931, 0.2755, 0.5120)$

Have a look what the booklet for
Yxy(64.8931, 0.2755, 0.5120)
contains.

Yxy(64.7421, 0.2755, 0.5119)	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(64.7421, 0.2755, 0.5119)

Conversions

Conversions Part 1

Format	Color
Hex	00F273
RGB	0, 242, 115
RGB Percent	0%, 95%, 45%
CMY	1.0000, 0.0509, 0.5489
CMYK	1.00, 0.00, 0.52, 0.05
HSL	149°, 100%, 47%
HSV	149°, 100%, 95%
XYZ	34.8436, 64.7421, 26.8884
YIQ	155.1640, -103.4650, -90.8010

Conversions

Conversions Part 2

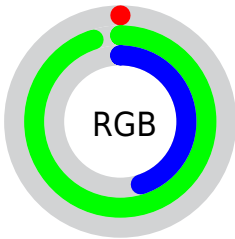
Format	Color
RYB	0, 164, 242
Decimal	62067
CIELab	84.35, -74.70, 47.54
CIELCh	84, 88.544, 147.526
Yxy	64.7421, 0.2755, 0.5119
Android (android.graphics.Color)	4278252147 (0xFF00F273)
YUV	155.1640, -19.8009, -136.0788
Hunter-Lab	80.4625, -63.5114, 36.5106

Details

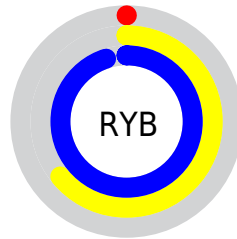
The Yxy color **64.7421, 0.2755, 0.5119** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **20.4104, 0.4889, 0.2467**, and the grayscale version is **32.9822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8293, 0.2797, 0.4388**, and **34.6399, 0.2858, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **64.7477, 0.2755, 0.5119**, and if you desaturate by 10%, it is **65.2572, 0.2722, 0.4933**.

Distribution



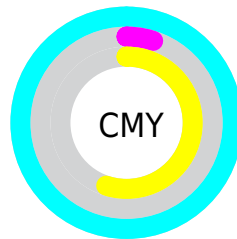
- Red (0%)
- Green (95%)
- Blue (45%)



- Red (0%)
- Yellow (64%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7421, 0.2755, 0.5119 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 64.7421, 0.2755, 0.5119 by changing the saturation by 10% instead.


 64.7421, 0.2755,
0.5119


 64.7421, 0.2755,
0.5119


441.8646, 0.2981,
0.4176


 47.2520, 0.2687,
0.5356

 111.6790, 0.2846,
0.4773

 33.2349, 0.2595,
0.5659


 141.8946, 0.2877,
0.4644


 22.3065, 0.2463,
0.6054


 177.1208, 0.2903,
0.4535

 14.0823, 0.2267,
0.6585

 217.7419, 0.2924,
0.4442

 8.1779, 0.1960,
0.7310

 264.1425, 0.2942,
0.4362

 4.2090, 0.1493,
0.8507


316.7069, 0.2957,


 1.7911, 0.0000,


0.4292

1.0000

375.8195, 0.2970,
0.4230


 0.4816, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.7421, 0.2755,
0.5119

 64.7421, 0.2755,
0.5119

 64.7477, 0.2755,
0.5119


 65.2572, 0.2722,
0.4933

 66.0534, 0.2706,
0.4733


 67.2142, 0.2709,
0.4526

 68.7864, 0.2733,
0.4318

 70.8097, 0.2774,
0.4115

 73.3187, 0.2829,
0.3921

 76.3447, 0.2895,
0.3740

 79.9161, 0.2968,
0.3574

 84.0594, 0.3047,
0.3424

Harmonies

Analogous

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



64.7421, 0.3747, 0.5311



64.7421, 0.2755, 0.5119



64.7421, 0.1916, 0.4005

Triad

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



64.7421, 0.2755, 0.5119



64.7421, 0.1628, 0.1759



64.7421, 0.5136, 0.3276

Complementary

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



64.7421, 0.2755, 0.5119



20.4104, 0.4889, 0.2467

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.



64.7421, 0.4344, 0.2615



64.7421, 0.2755, 0.5119



64.7421, 0.2229, 0.1788

Square

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



64.7421, 0.2755, 0.5119



64.7421, 0.1377, 0.2055



64.7421, 0.3201, 0.2088



64.7421, 0.5200, 0.4001

Rectangle

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



64.7421, 0.2755, 0.5119



64.7421, 0.1563, 0.3155



64.7421, 0.3201, 0.2088



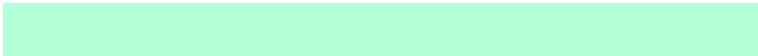
64.7421, 0.4945, 0.3047

Sweetspot

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



64.7477, 0.2755, 0.5119



85.9435, 0.2894, 0.3741



68.1818, 0.3401, 0.5681



18.0719, 0.2865, 0.3816



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.



64.7477, 0.2755, 0.5119



72.9056, 0.2757, 0.5124



69.4463, 0.2275, 0.3391



17.7815, 0.3051, 0.3417



34.8076, 0.2747, 0.5089



2.9156, 0.2678, 0.4841

Inverse Universe

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



20.4104, 0.4889, 0.2467



22.9754, 0.4895, 0.2470



18.8964, 0.6376, 0.3286



15.8974, 0.3211, 0.3167



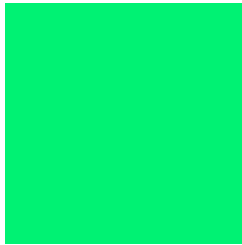
10.9916, 0.4854, 0.2448



0.9345, 0.4578, 0.2295

Previews

White Background



This preview shows how the Yxy color 64.7421, 0.2755, 0.5119 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 64.7421, 0.2755, 0.5119 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 64.7421, 0.2755, 0.5119

Background



This preview shows how black text looks on a background with the Yxy color 64.7421, 0.2755, 0.5119.



This preview shows how white text looks on a background with the Yxy color 64.7421, 0.2755, 0.5119.

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

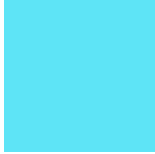
64.7421, 0.2755, 0.5119

Protanopia

63.4234, 0.4033, 0.4415

Deuteranopia

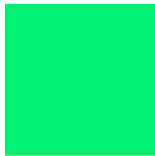
63.2359, 0.4135, 0.4041



Tritanopia

64.5203, 0.2327, 0.3064

Trichromacy



Original Color

64.7421, 0.2755, 0.5119



Protanomaly

58.9066, 0.3293, 0.4799



Deuteranomaly

57.5831, 0.3337, 0.4521



Tritanomaly

63.3157, 0.2452, 0.3769

Monochromacy



Original Color

64.7421, 0.2755, 0.5119



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.0867, 0.2798, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7421, 0.2755, 0.5119 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, 242, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 115)  
}
```

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, 242, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 115) }
```

Border

The CSS property to change the border of an element to Yxy 64.7421, 0.2755, 0.5119 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, 242, 115) }
```

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

```
.border{ border-color:rgb(0, 242, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7421, 0.2755, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 115) }
```

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

```
.background{ background-color: rgb(0, 242,  
115) }
```

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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