

Converting Colors

$Y_{xy}(62.4603, 0.2800, 0.5279)$

Have a look what the booklet for
Yxy(62.4603, 0.2800, 0.5279)
contains.

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Color

Yxy(62.6726, 0.2802, 0.5287)

Conversions

Conversions Part 1

Format	Color
Hex	00EF65
RGB	0, 239, 101
RGB Percent	0%, 94%, 40%
CMY	0.9998, 0.0627, 0.6040
CMYK	1.00, 0.00, 0.58, 0.06
HSL	145°, 100%, 47%
HSV	145°, 100%, 94%
XYZ	33.2152, 62.6726, 22.6532
YIQ	151.8070, -98.1460, -93.5860

Conversions

Conversions Part 2

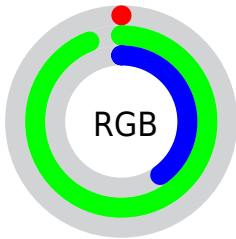
Format	Color
RYB	0, 168, 239
Decimal	61285
CIELab	83.27, -75.70, 52.65
CIELCh	83, 92.209, 145.185
Yxy	62.6726, 0.2802, 0.5287
Android (android.graphics.Color)	4278251365 (0xFF00EF65)
YUV	151.8070, -25.0479, -133.1347
Hunter-Lab	79.1660, -63.6485, 38.4505

Details

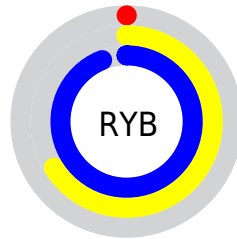
The Yxy color **62.6726, 0.2802, 0.5287** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **20.1902, 0.4661, 0.2341**, and the grayscale version is **31.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3313, 0.2860, 0.4574**, and **33.2530, 0.2912, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **62.6740, 0.2802, 0.5287**, and if you desaturate by 10%, it is **63.1622, 0.2768, 0.5093**.

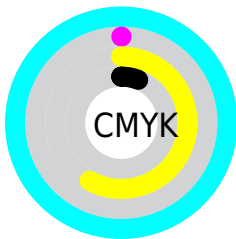
Distribution



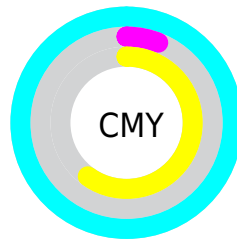
- Red (0%)
- Green (94%)
- Blue (40%)



- Red (0%)
- Yellow (66%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6726, 0.2802, 0.5287 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 62.6726, 0.2802, 0.5287 by changing the saturation by 10% instead.


 62.6726, 0.2802,
0.5287

 62.6726, 0.2802,
0.5287


434.3803, 0.3017,
0.4252


 45.5764, 0.2733,
0.5547


 108.6970, 0.2892,
0.4907

 31.9117, 0.2635,
0.5878


 138.3941, 0.2923,
0.4765

 21.2940, 0.2493,
0.6306


 173.0601, 0.2947,
0.4646

 13.3391, 0.2276,
0.6872

 213.0797, 0.2966,
0.4544

 7.6625, 0.1954,
0.7714

 258.8371, 0.2983,
0.4455

 3.8797, 0.1340,
0.8660

310.7167, 0.2996,

 1.6065, 0.0000,

0.4379

1.0000

369.1030, 0.3008,
0.4311

■ 0.3620, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.6726, 0.2802,
0.5287

■ 62.6726, 0.2802,
0.5287

■ 62.6740, 0.2802,
0.5287

■ 63.1622, 0.2768,
0.5093

■ 63.9348, 0.2749,
0.4880

■ 65.0692, 0.2750,
0.4655

■ 66.6114, 0.2769,
0.4426

■ 68.6002, 0.2806,
0.4202

■ 71.0698, 0.2856,
0.3987

■ 74.0507, 0.2916,
0.3786

■ 77.5711, 0.2983,
0.3603

■ 81.6568, 0.3055,
0.3437

Harmonies

Analogous

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



62.6726, 0.3832, 0.5380



62.6726, 0.2802, 0.5287



62.6726, 0.1911, 0.4153

Triad

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



62.6726, 0.2802, 0.5287



62.6726, 0.1538, 0.1709



62.6726, 0.5198, 0.3205

Complementary

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



62.6726, 0.2802, 0.5287



20.1902, 0.4661, 0.2341

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.



62.6726, 0.4316, 0.2534



62.6726, 0.2802, 0.5287



62.6726, 0.2125, 0.1718

Square

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



62.6726, 0.2802, 0.5287



62.6726, 0.1306, 0.2038



62.6726, 0.3109, 0.2007



62.6726, 0.5310, 0.3945

Rectangle

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



62.6726, 0.2802, 0.5287



62.6726, 0.1528, 0.3236



62.6726, 0.3109, 0.2007



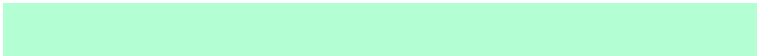
62.6726, 0.4978, 0.2972

Sweetspot

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



62.6752, 0.2802, 0.5287



85.7379, 0.2915, 0.3789



67.2630, 0.3476, 0.5622



18.0235, 0.2889, 0.3872



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.



62.6752, 0.2802, 0.5287



72.5964, 0.2804, 0.5294



66.8552, 0.2320, 0.3552



17.7672, 0.3058, 0.3430



34.6586, 0.2794, 0.5258



2.9027, 0.2722, 0.4998

Inverse Universe

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



20.1902, 0.4661, 0.2341



23.3759, 0.4667, 0.2345



18.4032, 0.6328, 0.3260



15.9119, 0.3203, 0.3154



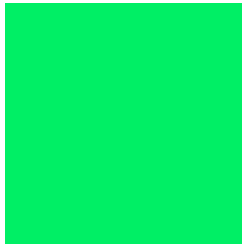
11.1827, 0.4632, 0.2325



0.9501, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 62.6726, 0.2802, 0.5287 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 62.6726, 0.2802, 0.5287 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 62.6726, 0.2802, 0.5287

Background



This preview shows how black text looks on a background with the Yxy color 62.6726, 0.2802, 0.5287.



This preview shows how white text looks on a background with the Yxy color 62.6726, 0.2802, 0.5287.

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

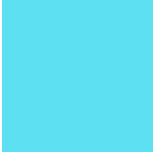
62.6726, 0.2802, 0.5287

Protanopia

61.3919, 0.4110, 0.4509

Deuteranopia

61.1813, 0.4228, 0.4139



Tritanopia

62.1621, 0.2327, 0.3049

Trichromacy



Original Color

62.6726, 0.2802, 0.5287



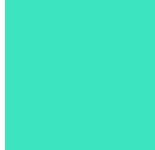
Protanomaly

56.9888, 0.3358, 0.4931



Deuteranomaly

55.6647, 0.3414, 0.4657



Tritanomaly

60.7609, 0.2471, 0.3822

Monochromacy



Original Color

62.6726, 0.2802, 0.5287



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

38.5158, 0.2827, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6726, 0.2802, 0.5287 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, 239, 101)` looks like.

```
.text, #text, p{  
  color:rgb(0, 239, 101)  
}
```

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, 239, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 101) }
```

Border

The CSS property to change the border of an element to Yxy 62.6726, 0.2802, 0.5287 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, 239, 101) }
```

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

```
.border{ border-color:rgb(0, 239, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6726, 0.2802, 0.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 101) }
```

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

```
.background{ background-color: rgb(0, 239,  
101) }
```

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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