

Converting Colors

$Y_{xy}(69.4120, 0.2999, 0.5997)$

Have a look what the booklet for
Yxy(69.4120, 0.2999, 0.5997)
contains.

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Color

Yxy(69.6252, 0.2999, 0.5997)

Conversions

Conversions Part 1

Format	Color
Hex	00FC02
RGB	0, 252, 2
RGB Percent	0%, 99%, 1%
CMY	1.0000, 0.0117, 0.9927
CMYK	1.00, 0.00, 0.99, 0.01
HSL	120°, 100%, 49%
HSV	120°, 100%, 99%
XYZ	34.8184, 69.6252, 11.6564
YIQ	148.1520, -69.9420, -131.1740

Conversions

Conversions Part 2

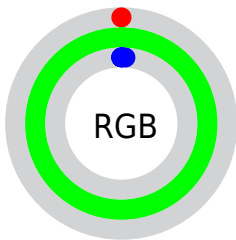
Format	Color
RYB	0, 250, 252
Decimal	64514
CIELab	86.81, -85.40, 82.30
CIELCh	87, 118.598, 136.059
Yxy	69.6252, 0.2999, 0.5997
Android (android.graphics.Color)	4278254594 (0xFF00FC02)
YUV	148.1520, -72.0529, -129.9293
Hunter-Lab	83.4417, -71.5389, 50.1266

Details

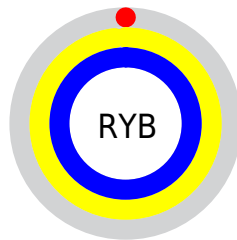
The Yxy color **69.6252, 0.2999, 0.5997** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **27.6077, 0.3228, 0.1552**, and the grayscale version is **30.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2146, 0.3147, 0.5294**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.6296, 0.2999, 0.5997**, and if you desaturate by 10%, it is **69.9134, 0.3002, 0.5926**.

Distribution



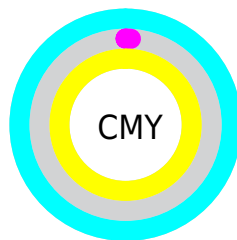
- Red (0%)
- Green (99%)
- Blue (1%)



- Red (0%)
- Yellow (98%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6252, 0.2999, 0.5997 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 69.6252, 0.2999, 0.5997 by changing the saturation by 10% instead.


 69.6252, 0.2999,
0.5997

 69.6252, 0.2999,
0.5997


459.2329, 0.3193,
0.4650

 51.2210, 0.2914,
0.6300

 118.6741, 0.3099,
0.5526

 36.3846, 0.2788,
0.6661


 150.0876, 0.3128,
0.5343

 24.7313, 0.2598,
0.7087


 186.6064, 0.3149,
0.5185

 15.8770, 0.2337,
0.7663

 228.6149, 0.3164,
0.5049

 9.4372, 0.1882,
0.8118

 276.4973, 0.3175,
0.4930

 5.0274, 0.1278,
0.8722


 330.6382, 0.3183,

 2.2634, 0.0000,


0.4825


1.0000


391.4220, 0.3189,
0.4733


 0.7542, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.6252, 0.2999,
0.5997

 69.6252, 0.2999,
0.5997


 69.6296, 0.2999,
0.5997


 69.9134, 0.3002,
0.5926


 70.5609, 0.3008,
0.5772


 71.6803, 0.3018,
0.5533

 73.3387, 0.3032,
0.5225

 75.5921, 0.3048,
0.4877

 78.4899, 0.3066,
0.4516

 82.0759, 0.3083,
0.4166

 86.3905, 0.3099,
0.3840

 91.4707, 0.3114,
0.3547

Harmonies

Analogous

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



69.6252, 0.4183, 0.5543



69.6252, 0.2999, 0.5997



69.6252, 0.1901, 0.4931

Triad

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



69.6252, 0.2999, 0.5997



69.6252, 0.1168, 0.1501



69.6252, 0.5430, 0.2875

Complementary

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



69.6252, 0.2999, 0.5997



27.6077, 0.3228, 0.1552

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.



69.6252, 0.4126, 0.2172



69.6252, 0.2999, 0.5997



69.6252, 0.1681, 0.1427

Square

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



69.6252, 0.2999, 0.5997



69.6252, 0.1015, 0.1978



69.6252, 0.2674, 0.1658



69.6252, 0.5791, 0.3655

Rectangle

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



69.6252, 0.2999, 0.5997



69.6252, 0.1385, 0.3688



69.6252, 0.2674, 0.1658



69.6252, 0.5072, 0.2629

Sweetspot

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



69.6296, 0.2999, 0.5997



84.3016, 0.3083, 0.4166



90.3224, 0.4193, 0.5053



17.6925, 0.3076, 0.4312



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.



69.6296, 0.2999, 0.5997



71.5241, 0.2999, 0.5997



71.1320, 0.2733, 0.5040



19.3113, 0.3115, 0.3533



36.2693, 0.2999, 0.5995



3.3599, 0.2996, 0.5984

Inverse Universe

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



27.6077, 0.3228, 0.1552



28.3588, 0.3228, 0.1552



22.2033, 0.5000, 0.2528



17.5222, 0.3139, 0.3058



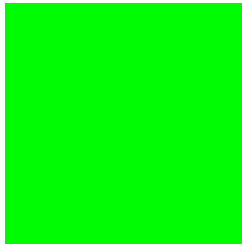
14.3813, 0.3228, 0.1552



1.3327, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 69.6252, 0.2999, 0.5997 looks on a white background.

Color Contrast Check

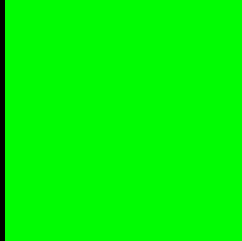
Large Text (above 18pt) WCAG AA × Fail

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 69.6252, 0.2999, 0.5997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

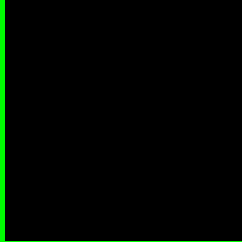
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

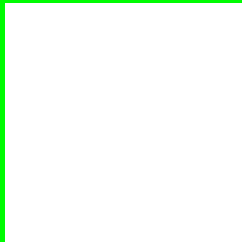
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6252, 0.2999, 0.5997

Background



This preview shows how black text looks on a background with the Yxy color 69.6252, 0.2999, 0.5997.



This preview shows how white text looks on a background with the Yxy color 69.6252, 0.2999, 0.5997.

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

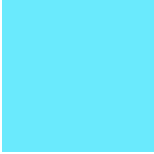
69.6252, 0.2999, 0.5997

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

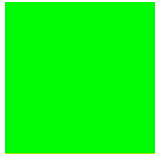
68.0377, 0.4060, 0.4065



Tritanopia

69.0017, 0.2354, 0.3059

Trichromacy



Original Color

69.6252, 0.2999, 0.5997



Protanomaly

63.0094, 0.3626, 0.5500



Deuteranomaly

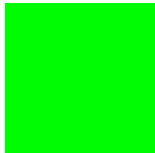
61.6486, 0.3510, 0.5010



Tritanomaly

66.7125, 0.2652, 0.4391

Monochromacy



Original Color

69.6252, 0.2999, 0.5997



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

38.3237, 0.3049, 0.4820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6252, 0.2999, 0.5997 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, 252, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 2)  
}
```

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, 252, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 2) }
```

Border

The CSS property to change the border of an element to Yxy 69.6252, 0.2999, 0.5997 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, 252, 2) }
```

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

```
.border{ border-color:rgb(0, 252, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 252, 2); box-shadow:4px  
4px 4px 4px rgb(0, 252, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6252, 0.2999, 0.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 2) }
```

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

```
.background{ background-color: rgb(0, 252,  
2) }
```

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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