

Converting Colors

Yxy(69.2550, 0.3481, 0.5618)

Have a look what the booklet for
Yxy(69.2550, 0.3481, 0.5618)
contains.

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Color

Yxy(69.2550, 0.3481, 0.5618)

Conversions

Conversions Part 1

Format	Color
Hex	8EF200
RGB	142, 242, 0
RGB Percent	56%, 95%, 0%
CMY	0.4430, 0.0510, 0.9997
CMYK	0.41, 0.00, 1.00, 0.05
HSL	85°, 100%, 47%
HSV	85°, 100%, 95%
XYZ	42.9115, 69.2550, 11.1069
YIQ	184.5120, 18.0820, -96.4620

Conversions

Conversions Part 2

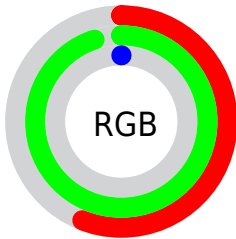
Format	Color
RYB	0, 242, 100
Decimal	9368064
CIELab	86.63, -58.80, 83.50
CIELCh	87, 102.124, 125.152
Yxy	69.2550, 0.3481, 0.5618
Android (android.graphics.Color)	4287558144 (0xFF8EF200)
YUV	184.5120, -90.9644, -37.2830
Hunter-Lab	83.2196, -53.5923, 50.3406

Details

The Yxy color **69.2550, 0.3481, 0.5618** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **9.1241, 0.1850, 0.0793**, and the grayscale version is **48.7476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9718, 0.3658, 0.4991**, and **36.3602, 0.3273, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **69.2552, 0.3481, 0.5618**, and if you desaturate by 10%, it is **70.2498, 0.3528, 0.5523**.

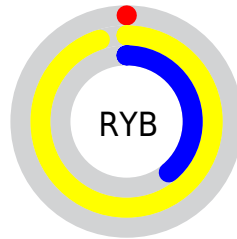
Distribution



Red (56%)

Green (95%)

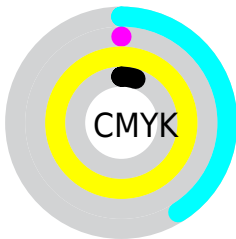
Blue (0%)



Red (0%)

Yellow (95%)

Blue (39%)

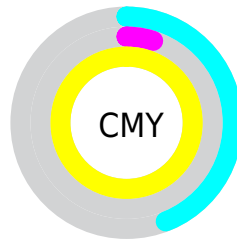


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (44%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2550, 0.3481, 0.5618 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 69.2550, 0.3481, 0.5618 by changing the saturation by 10% instead.


 69.2550, 0.3481,
0.5618

 69.2550, 0.3481,
0.5618


 457.9298, 0.3436,
0.4506


 50.9194, 0.3451,
0.5856

 118.1457, 0.3496,
0.5240


 36.1445, 0.3393,
0.6134


 149.4696, 0.3493,
0.5089

 24.5458, 0.3286,
0.6454


 185.8918, 0.3486,
0.4959

 15.7390, 0.3127,
0.6873

 227.7966, 0.3477,
0.4845

 9.3396, 0.2787,
0.7213

 275.5684, 0.3467,
0.4744

 4.9634, 0.2301,
0.7699


 329.5916, 0.3457,


 2.2258, 0.1238,


0.4656


0.8762


390.2506, 0.3446,
0.4577


 0.7340, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 69.2550, 0.3481,
0.5618


 69.2550, 0.3481,
0.5618

 69.2552, 0.3481,
0.5618

 70.2498, 0.3528,
0.5523

 71.4063, 0.3556,
0.5379

 72.7552, 0.3559,
0.5183

 74.3138, 0.3539,
0.4943

■ 76.0970, 0.3497,
0.4673

■ 78.1179, 0.3439,
0.4386

■ 80.3883, 0.3368,
0.4095

■ 82.9191, 0.3290,
0.3811

■ 85.7205, 0.3209,
0.3541

Harmonies

Analogous

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



69.2550, 0.4516, 0.5060



69.2550, 0.3481, 0.5618



69.2550, 0.2417, 0.5147

Triad

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



69.2550, 0.3481, 0.5618



69.2550, 0.1261, 0.1801



69.2550, 0.4784, 0.2705

Complementary

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



69.2550, 0.3481, 0.5618



9.1241, 0.1850, 0.0793

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.



69.2550, 0.3525, 0.2096



69.2550, 0.3481, 0.5618



69.2550, 0.1614, 0.1597

Square

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



69.2550, 0.3481, 0.5618



69.2550, 0.1243, 0.2450



69.2550, 0.2361, 0.1708



69.2550, 0.5467, 0.3424

Rectangle

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



69.2550, 0.3481, 0.5618



69.2550, 0.1830, 0.4218



69.2550, 0.2361, 0.1708



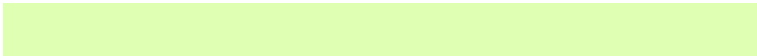
69.2550, 0.4395, 0.2485

Sweetspot

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



69.2580, 0.3481, 0.5618



90.5042, 0.3369, 0.4098



27.3979, 0.5724, 0.3837



19.1330, 0.3400, 0.4221



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.



69.2580, 0.3481, 0.5618



77.9688, 0.3479, 0.5620



63.7020, 0.3019, 0.5985



18.1146, 0.3205, 0.3528



37.2864, 0.3492, 0.5610



3.1600, 0.3582, 0.5538

Inverse Universe

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



9.1241, 0.1850, 0.0793



10.2458, 0.1847, 0.0791



21.2881, 0.2954, 0.1401



15.5477, 0.3044, 0.3050



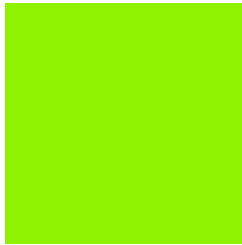
4.9750, 0.1867, 0.0802



0.4708, 0.2013, 0.0883

Previews

White Background



This preview shows how the Yxy color 69.2550, 0.3481, 0.5618 looks on a white background.

Color Contrast Check

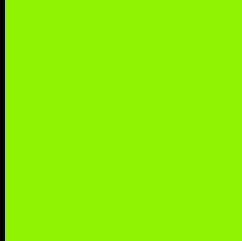
Large Text (above 18pt) WCAG AA × Fail

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 69.2550, 0.3481, 0.5618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

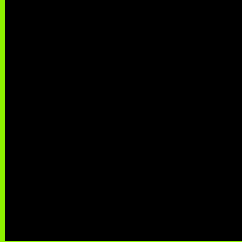
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2550, 0.3481, 0.5618

Background



This preview shows how black text looks on a background with the Yxy color 69.2550, 0.3481, 0.5618.



This preview shows how white text looks on a background with the Yxy color 69.2550, 0.3481, 0.5618.

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

69.2550, 0.3481, 0.5618

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

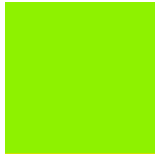
68.0652, 0.4053, 0.4055



Tritanopia

68.8675, 0.2670, 0.3081

Trichromacy



Original Color

69.2550, 0.3481, 0.5618



Protanomaly

66.9722, 0.4044, 0.5171



Deuteranomaly

66.1384, 0.3938, 0.4739



Tritanomaly

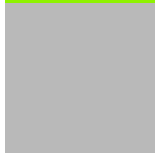
66.9920, 0.3114, 0.4258

Monochromacy



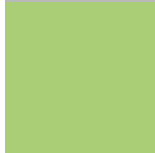
Original Color

69.2550, 0.3481, 0.5618



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.8856, 0.3449, 0.4456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2550, 0.3481, 0.5618 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(142, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 242, 0)  
}
```

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(142, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.2550, 0.3481, 0.5618 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(142, 242, 0) }
```

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

```
.border{ border-color:rgb(142, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2550, 0.3481, 0.5618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 242, 0) }
```

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

```
.background{ background-color: rgb(142,  
242, 0) }
```

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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