

Converting Colors

Yxy(67.5517, 0.2999, 0.5978)

Have a look what the booklet for
Yxy(67.5517, 0.2999, 0.5978)
contains.

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Color

Yxy(67.8207, 0.2999, 0.5978)

Conversions

Conversions Part 1

Format	Color
Hex	07F90B
RGB	7, 249, 11
RGB Percent	3%, 98%, 4%
CMY	0.9720, 0.0235, 0.9578
CMYK	0.97, 0.00, 0.96, 0.02
HSL	121°, 95%, 50%
HSV	121°, 97%, 98%
XYZ	34.0238, 67.8207, 11.6060
YIQ	149.5100, -67.8340, -125.3220

Conversions

Conversions Part 2

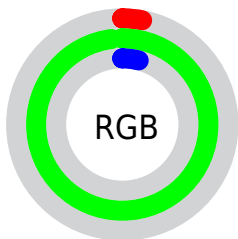
Format	Color
RYB	7, 245, 249
Decimal	522507
CIELab	85.92, -84.28, 80.89
CIELCh	86, 116.816, 136.175
Yxy	67.8207, 0.2999, 0.5978
Android (android.graphics.Color)	4278712587 (0xFF07F90B)
YUV	149.5100, -68.2854, -124.9813
Hunter-Lab	82.3533, -70.3721, 49.2916

Details

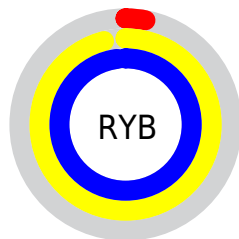
The Yxy color **67.8207, 0.2999, 0.5978** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.9113, 0.3246, 0.1569**, and the grayscale version is **30.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2501, 0.3140, 0.5275**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.7620, 0.2998, 0.5993**, and if you desaturate by 10%, it is **68.1847, 0.3001, 0.5883**.

Distribution



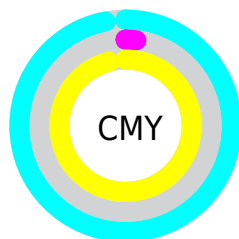
- Red (3%)
- Green (98%)
- Blue (4%)



- Red (3%)
- Yellow (96%)
- Blue (98%)



- Cyan (97%)
- Magenta (0%)
- Yellow (96%)
- Black (2%)




- Cyan (97%)
- Magenta (2%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8207, 0.2999, 0.5978 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 67.8207, 0.2999, 0.5978 by changing the saturation by 10% instead.


 67.8207, 0.2999,
0.5978


 67.8207, 0.2999,
0.5978


 452.8605, 0.3190,
0.4634


 49.7519, 0.2914,
0.6283

 116.0956, 0.3098,
0.5506


 35.2163, 0.2788,
0.6647


 147.0705, 0.3127,
0.5323

 23.8295, 0.2597,
0.7079


 183.1162, 0.3147,
0.5166

 15.2072, 0.2334,
0.7666

 224.6170, 0.3162,
0.5030

 8.9649, 0.1872,
0.8128

 271.9575, 0.3173,
0.4911

 4.7183, 0.1243,
0.8757


 325.5220, 0.3181,

 2.0830, 0.0000,


0.4807

1.0000


385.6948, 0.3186,
0.4715


 0.6550, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 67.8207, 0.2999,
0.5978


 67.8207, 0.2999,
0.5978

 67.7620, 0.2998,
0.5993

 68.1847, 0.3001,
0.5883


 68.9464, 0.3007,
0.5700

 70.1862, 0.3018,
0.5437

 71.9652, 0.3032,
0.5115

 74.3354, 0.3049,
0.4762

 77.3425, 0.3067,
0.4404

 81.0279, 0.3085,
0.4062

 85.4295, 0.3102,
0.3749

 90.5823, 0.3117,
0.3468

Harmonies

Analogous

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



67.8207, 0.4178, 0.5537



67.8207, 0.2999, 0.5978



67.8207, 0.1906, 0.4912

Triad

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



67.8207, 0.2999, 0.5978



67.8207, 0.1177, 0.1508



67.8207, 0.5420, 0.2882

Complementary

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



67.8207, 0.2999, 0.5978



26.9113, 0.3246, 0.1569

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.



67.8207, 0.4127, 0.2180



67.8207, 0.2999, 0.5978



67.8207, 0.1690, 0.1435

Square

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



67.8207, 0.2999, 0.5978



67.8207, 0.1023, 0.1983



67.8207, 0.2682, 0.1667



67.8207, 0.5777, 0.3661

Rectangle

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



67.8207, 0.2999, 0.5978



67.8207, 0.1392, 0.3679



67.8207, 0.2682, 0.1667



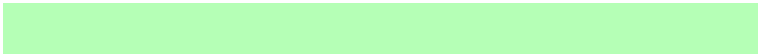
67.8207, 0.5065, 0.2637

Sweetspot

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



67.8235, 0.2999, 0.5978



84.7337, 0.3081, 0.4126



87.9099, 0.4189, 0.5046



17.7745, 0.3074, 0.4271



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.



67.8235, 0.2999, 0.5978



71.5284, 0.2998, 0.5994



69.3603, 0.2723, 0.4988



19.3135, 0.3114, 0.3531



36.2725, 0.2997, 0.5991



3.3609, 0.2991, 0.5968

Inverse Universe

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



26.9113, 0.3246, 0.1569



28.2363, 0.3248, 0.1563



21.8560, 0.4931, 0.2504



17.5198, 0.3140, 0.3060



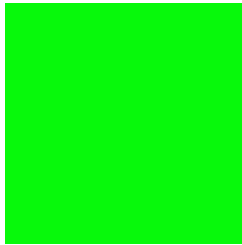
14.3202, 0.3247, 0.1562



1.3277, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 67.8207, 0.2999, 0.5978 looks on a white background.

Color Contrast Check

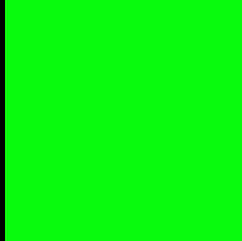
Large Text (above 18pt) WCAG AA × Fail

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 67.8207, 0.2999, 0.5978 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

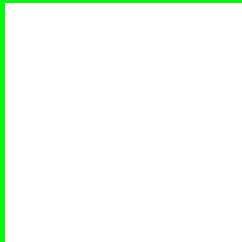
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8207, 0.2999, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 67.8207, 0.2999, 0.5978.



This preview shows how white text looks on a background with the Yxy color 67.8207, 0.2999, 0.5978.

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

67.8207, 0.2999, 0.5978

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

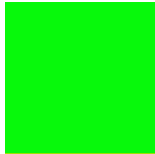
66.2787, 0.4159, 0.4148



Tritanopia

67.0572, 0.2355, 0.3057

Trichromacy



Original Color

67.8207, 0.2999, 0.5978



Protanomaly

61.3700, 0.3640, 0.5483



Deuteranomaly

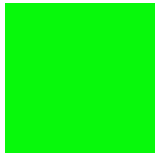
60.2914, 0.3566, 0.5021



Tritanomaly

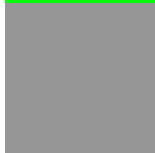
65.0586, 0.2646, 0.4343

Monochromacy



Original Color

67.8207, 0.2999, 0.5978



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

38.6153, 0.3052, 0.4743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8207, 0.2999, 0.5978 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(7, 249, 11)` looks like.

```
.text, #text, p{  
    color:rgb(7, 249, 11)  
}
```

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(7, 249, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 249, 11) }
```

Border

The CSS property to change the border of an element to Yxy 67.8207, 0.2999, 0.5978 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(7, 249, 11) }
```

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

```
.border{ border-color:rgb(7, 249, 11) }
```

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

Here you see how a box with a 4 pixel rgb(7, 249, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 249, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 249, 11);  
box-shadow:4px 4px 4px 4px rgb(7, 249, 11)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.8207, 0.2999, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 249, 11) }
```

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

```
.background{ background-color: rgb(7, 249,  
11) }
```

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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