

Converting Colors

$Y_{xy}(70.1429, 0.3069, 0.5228)$

Have a look what the booklet for
Yxy(70.1429, 0.3069, 0.5228)
contains.

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Color

Yxy(70.4066, 0.3066, 0.5228)

Conversions

Conversions Part 1

Format	Color
Hex	69F762
RGB	105, 247, 98
RGB Percent	41%, 97%, 38%
CMY	0.5883, 0.0314, 0.6156
CMYK	0.57, 0.00, 0.60, 0.03
HSL	117°, 90%, 68%
HSV	117°, 60%, 97%
XYZ	41.2905, 70.4066, 22.9751
YIQ	187.5560, -36.8030, -76.4430

Conversions

Conversions Part 2

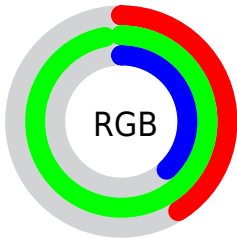
Format	Color
R_{YB}	98, 247, 240
Decimal	6944610
CIE _{Lab}	87.20, -66.13, 58.86
CIE _{LCh}	87, 88.527, 138.330
Yxy	70.4066, 0.3066, 0.5228
Android (android.graphics.Color)	4285134690 (0xFF69F762)
YUV	187.5560, -44.1511, -72.4016
Hunter-Lab	83.9086, -59.0023, 42.5018

Details

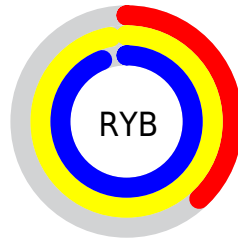
The Yxy color **70.4066, 0.3066, 0.5228** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **33.9909, 0.3127, 0.1861**, and the grayscale version is **50.2955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0354, 0.3149, 0.4497**, and **36.7374, 0.2967, 0.5751** is the 20% darker color. If you saturate the color by 10%, you get **68.7790, 0.3049, 0.5532**, and if you desaturate by 10%, it is **72.5787, 0.3082, 0.4883**.

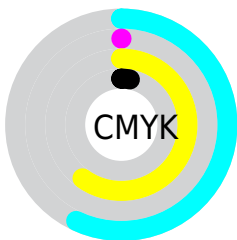
Distribution



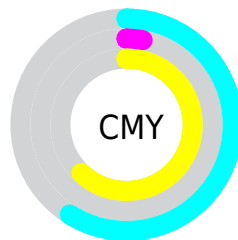
- Red (41%)
- Green (97%)
- Blue (38%)



- Red (38%)
- Yellow (97%)
- Blue (94%)



- Cyan (57%)
- Magenta (0%)
- Yellow (60%)
- Black (3%)




- Cyan (59%)
- Magenta (3%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4066, 0.3066, 0.5228 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 70.4066, 0.3066, 0.5228 by changing the saturation by 10% instead.


 70.4066, 0.3066,
0.5228

 70.4066, 0.3066,
0.5228


461.9764, 0.3157,
0.4257


 51.8581, 0.3026,
0.5461

 119.7884, 0.3112,
0.4880


 36.8920, 0.2965,
0.5751


 151.3905, 0.3126,
0.4748

 25.1239, 0.2871,
0.6117


 188.1126, 0.3136,
0.4635

 16.1694, 0.2718,
0.6585

 230.3390, 0.3143,
0.4538

 9.6441, 0.2480,
0.7243

278.4542, 0.3148,
0.4454

 5.1636, 0.2031,
0.7969


332.8426, 0.3152,

 2.3436, 0.0768,


0.4380


0.9232


393.8885, 0.3155,
0.4315

 0.7966, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.4066, 0.3066,
0.5228


 70.4066, 0.3066,
0.5228


 68.7790, 0.3049,
0.5532

 72.5787, 0.3082,
0.4883


 67.6397, 0.3032,
0.5770


 75.3280, 0.3095,
0.4525

 66.9365, 0.3017,
0.5923


 78.6951, 0.3107,
0.4176

 66.5997, 0.3007,
0.5994

 82.7143, 0.3116,
0.3851

 87.4175, 0.3122,
0.3557

 92.8345, 0.3127,
0.3298

 95.0049, 0.3131,
0.3214

Harmonies

Analogous

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



70.4066, 0.4030, 0.5147



70.4066, 0.3066, 0.5228



70.4066, 0.2168, 0.4371

Triad

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



70.4066, 0.3066, 0.5228



70.4066, 0.1550, 0.1844



70.4066, 0.4914, 0.3076

Complementary

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



70.4066, 0.3066, 0.5228



33.9909, 0.3127, 0.1861

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.



70.4066, 0.3981, 0.2455



70.4066, 0.3066, 0.5228



70.4066, 0.2031, 0.1781

Square

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



70.4066, 0.3066, 0.5228



70.4066, 0.1401, 0.2257



70.4066, 0.2877, 0.1997



70.4066, 0.5207, 0.3774

Rectangle

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



70.4066, 0.3066, 0.5228



70.4066, 0.1737, 0.3529



70.4066, 0.2877, 0.1997



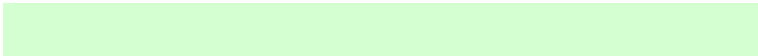
70.4066, 0.4657, 0.2857

Sweetspot

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



70.4096, 0.3066, 0.5228



90.0131, 0.3117, 0.3781



82.7171, 0.4021, 0.4645



18.9705, 0.3115, 0.3871



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.



70.4096, 0.3066, 0.5228



73.6842, 0.3046, 0.5581



71.8423, 0.2749, 0.4379



18.5089, 0.3123, 0.3534



35.2371, 0.3010, 0.5992



3.1097, 0.3035, 0.5972

Inverse Universe

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



33.9909, 0.3127, 0.1861



31.4482, 0.3119, 0.1677



31.8100, 0.3939, 0.2458



16.7266, 0.3131, 0.3056



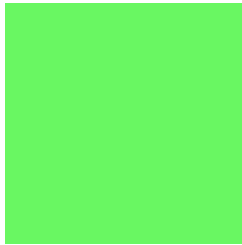
12.9529, 0.3093, 0.1477



1.1504, 0.3108, 0.1486

Previews

White Background



This preview shows how the Yxy color 70.4066, 0.3066, 0.5228 looks on a white background.

Color Contrast Check

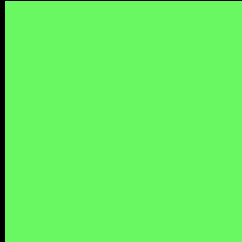
Large Text (above 18pt) WCAG AA × Fail

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 70.4066, 0.3066, 0.5228 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

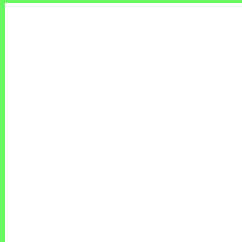
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4066, 0.3066, 0.5228

Background



This preview shows how black text looks on a background with the Yxy color 70.4066, 0.3066, 0.5228.



This preview shows how white text looks on a background with the Yxy color 70.4066, 0.3066, 0.5228.

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

70.4066, 0.3066, 0.5228

Protanopia

69.0477, 0.4154, 0.4561

Deuteranopia

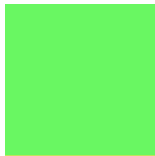
68.9363, 0.3956, 0.3939



Tritanopia

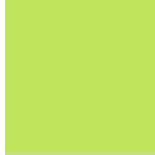
70.1043, 0.2491, 0.3077

Trichromacy



Original Color

70.4066, 0.3066, 0.5228



Protanomaly

67.4660, 0.3690, 0.4843



Deuteranomaly

66.6397, 0.3574, 0.4396



Tritanomaly

69.0205, 0.2712, 0.3828

Monochromacy



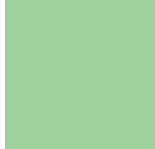
Original Color

70.4066, 0.3066, 0.5228



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.2366, 0.3115, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4066, 0.3066, 0.5228 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(105, 247, 98)` looks like.

```
.text, #text, p{  
    color:rgb(105, 247, 98)  
}
```

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(105, 247, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 247, 98) }
```

Border

The CSS property to change the border of an element to Yxy 70.4066, 0.3066, 0.5228 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(105, 247, 98) }
```

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

```
.border{ border-color:rgb(105, 247, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 247, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 247, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 247, 98);  
box-shadow:4px 4px 4px 4px rgb(105, 247,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4066, 0.3066, 0.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 247, 98) }
```

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

```
.background{ background-color: rgb(105,  
247, 98) }
```

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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