

Converting Colors

Yxy(66.2924, 0.3072, 0.5172)

Have a look what the booklet for
Yxy(66.2924, 0.3072, 0.5172)
contains.

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Color

Yxy(66.2852, 0.3071, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	6AF063
RGB	106, 240, 99
RGB Percent	42%, 94%, 39%
CMY	0.5842, 0.0588, 0.6118
CMYK	0.56, 0.00, 0.59, 0.06
HSL	117°, 82%, 66%
HSV	117°, 59%, 94%
XYZ	39.3584, 66.2852, 22.5180
YIQ	183.8600, -34.6030, -72.2590

Conversions

Conversions Part 2

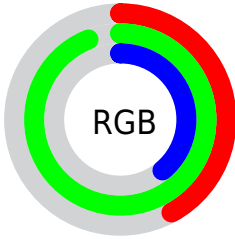
Format	Color
RYB	99, 240, 233
Decimal	7008355
CIELab	85.14, -63.28, 56.11
CIELCh	85, 84.569, 138.435
Yxy	66.2852, 0.3071, 0.5172
Android (android.graphics.Color)	4285198435 (0xFF6AF063)
YUV	183.8600, -41.8360, -68.2832
Hunter-Lab	81.4157, -56.1861, 40.5925

Details

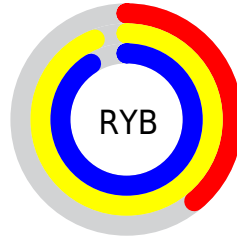
The Yxy color **66.2852, 0.3071, 0.5172** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **32.5250, 0.3123, 0.1889**, and the grayscale version is **48.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0686, 0.3144, 0.4485**, and **34.3248, 0.2972, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **64.6786, 0.3054, 0.5484**, and if you desaturate by 10%, it is **68.4049, 0.3086, 0.4824**.

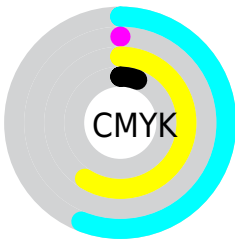
Distribution



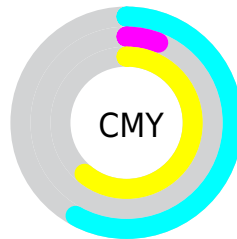
- Red (42%)
- Green (94%)
- Blue (39%)



- Red (39%)
- Yellow (94%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (59%)
- Black (6%)




- Cyan (58%)
- Magenta (6%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2852, 0.3071, 0.5172 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 66.2852, 0.3071, 0.5172 by changing the saturation by 10% instead.

 66.2852, 0.3071,
0.5172


 66.2852, 0.3071,
0.5172

447.3962, 0.3156,
0.4220


 48.5040, 0.3033,
0.5404


 113.8956, 0.3115,
0.4828


 34.2262, 0.2974,
0.5694


 144.4935, 0.3128,
0.4698

 23.0674, 0.2881,
0.6064


 180.1324, 0.3137,
0.4588

 14.6433, 0.2729,
0.6542

 221.1968, 0.3143,
0.4493

 8.5694, 0.2494,
0.7241

268.0709, 0.3148,
0.4411

 4.4614, 0.2019,
0.7981


321.1393, 0.3151,


 1.9349, 0.0245,

0.4339

0.9755


380.7862, 0.3154,
0.4276


 0.5692, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 66.2852, 0.3071,
0.5172


 66.2852, 0.3071,
0.5172

 64.6786, 0.3054,
0.5484


 68.4049, 0.3086,
0.4824


 63.5343, 0.3037,
0.5734


 71.0673, 0.3099,
0.4467


 62.8053, 0.3021,
0.5902


 74.3092, 0.3110,
0.4122


 62.4278, 0.3008,
0.5987

 78.1620, 0.3118,
0.3802

 62.3993, 0.3008,
0.5994

 82.6551, 0.3124,
0.3514

 87.8154, 0.3128,
0.3260

 90.8010, 0.3134,
0.3146

Harmonies

Analogous

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



66.2852, 0.4016, 0.5109



66.2852, 0.3071, 0.5172



66.2852, 0.2190, 0.4336

Triad

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



66.2852, 0.3071, 0.5172



66.2852, 0.1581, 0.1873



66.2852, 0.4872, 0.3088

Complementary

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



66.2852, 0.3071, 0.5172



32.5250, 0.3123, 0.1889

Split Complementary

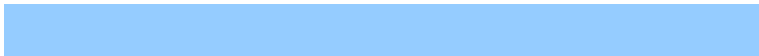
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.2852, 0.3965, 0.2475



66.2852, 0.3071, 0.5172



66.2852, 0.2057, 0.1810

Square

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



66.2852, 0.3071, 0.5172



66.2852, 0.1434, 0.2281



66.2852, 0.2888, 0.2024



66.2852, 0.5161, 0.3776

Rectangle

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



66.2852, 0.3071, 0.5172



66.2852, 0.1766, 0.3521



66.2852, 0.2888, 0.2024



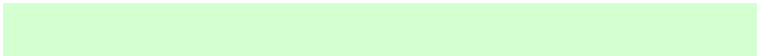
66.2852, 0.4622, 0.2872

Sweetspot

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



66.2880, 0.3071, 0.5172



90.0361, 0.3118, 0.3781



76.3541, 0.4014, 0.4599



18.9760, 0.3116, 0.3870



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.



66.2880, 0.3071, 0.5172



73.8533, 0.3050, 0.5553



67.5136, 0.2765, 0.4377



17.6941, 0.3123, 0.3534



34.1743, 0.3011, 0.5991



2.8562, 0.3039, 0.5969

Inverse Universe

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



32.5250, 0.3123, 0.1889



31.6923, 0.3114, 0.1687



30.6955, 0.3876, 0.2452



15.9888, 0.3130, 0.3057



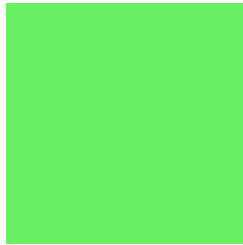
12.4897, 0.3084, 0.1473



1.0513, 0.3102, 0.1482

Previews

White Background



This preview shows how the Yxy color 66.2852, 0.3071, 0.5172 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 66.2852, 0.3071, 0.5172 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

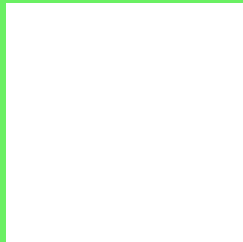
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2852, 0.3071, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 66.2852, 0.3071, 0.5172.



This preview shows how white text looks on a background with the Yxy color 66.2852, 0.3071, 0.5172.

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

66.2852, 0.3071, 0.5172

Protanopia

64.9889, 0.4140, 0.4530

Deuteranopia

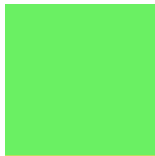
64.9311, 0.4156, 0.4092



Tritanopia

65.7248, 0.2504, 0.3072

Trichromacy



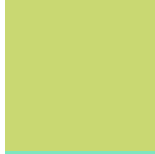
Original Color

66.2852, 0.3071, 0.5172



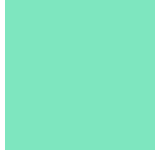
Protanomaly

63.7242, 0.3682, 0.4804



Deuteranomaly

62.7441, 0.3699, 0.4490



Tritanomaly

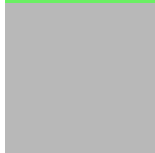
64.7908, 0.2717, 0.3801

Monochromacy



Original Color

66.2852, 0.3071, 0.5172



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.5536, 0.3117, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2852, 0.3071, 0.5172 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(106, 240, 99)` looks like.

```
.text, #text, p{  
    color:rgb(106, 240, 99)  
}
```

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(106, 240, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 240, 99) }
```

Border

The CSS property to change the border of an element to Yxy 66.2852, 0.3071, 0.5172 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(106, 240, 99) }
```

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

```
.border{ border-color:rgb(106, 240, 99) }
```

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

Here you see how a box with a 4 pixel rgb(106, 240, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 240, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 240, 99);  
box-shadow:4px 4px 4px 4px rgb(106, 240,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2852, 0.3071, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 240, 99) }
```

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

```
.background{ background-color: rgb(106,  
240, 99) }
```

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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