

Converting Colors

Yxy(72.1318, 0.3021, 0.5064)

Have a look what the booklet for
Yxy(72.1318, 0.3021, 0.5064)
contains.

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Color

Yxy(72.1318, 0.3021, 0.5064)

Conversions

Conversions Part 1

Format	Color
Hex	6CF971
RGB	108, 249, 113
RGB Percent	42%, 98%, 44%
CMY	0.5769, 0.0235, 0.5569
CMYK	0.57, 0.00, 0.55, 0.02
HSL	122°, 92%, 70%
HSV	122°, 57%, 98%
XYZ	43.0312, 72.1318, 27.2773
YIQ	191.3370, -40.3800, -72.1880

Conversions

Conversions Part 2

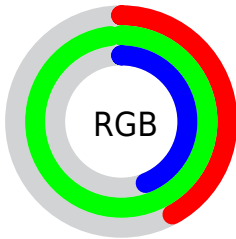
Format	Color
RYB	108, 244, 249
Decimal	7141745
CIELab	88.03, -64.48, 53.29
CIELCh	88, 83.652, 140.431
Yxy	72.1318, 0.3021, 0.5064
Android (android.graphics.Color)	4285331825 (0xFF6CF971)
YUV	191.3370, -38.6201, -73.0865
Hunter-Lab	84.9304, -58.1887, 40.4090

Details

The Yxy color **72.1318, 0.3021, 0.5064** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.3720, 0.3237, 0.1992**, and the grayscale version is **52.5387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8932, 0.3091, 0.4313**, and **37.8687, 0.2928, 0.5549** is the 20% darker color. If you saturate the color by 10%, you get **70.3209, 0.3007, 0.5387**, and if you desaturate by 10%, it is **74.5372, 0.3038, 0.4715**.

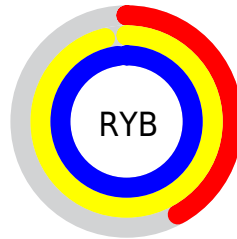
Distribution



Red (42%)

Green (98%)

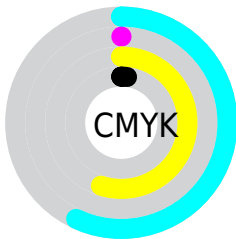
Blue (44%)



Red (42%)

Yellow (96%)

Blue (98%)

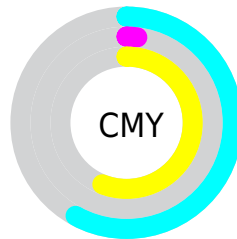


Cyan (57%)

Magenta (0%)

Yellow (55%)

Black (2%)



Cyan (58%)


Magenta (2%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1318, 0.3021, 0.5064 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 72.1318, 0.3021, 0.5064 by changing the saturation by 10% instead.


 72.1318, 0.3021,
0.5064


 72.1318, 0.3021,
0.5064

468.0002, 0.3121,
0.4177


 53.2663, 0.2983,
0.5278


 122.2439, 0.3067,
0.4746

 38.0154, 0.2928,
0.5546


 154.2593, 0.3082,
0.4625

 25.9947, 0.2844,
0.5889


 191.4269, 0.3093,
0.4522

 16.8197, 0.2710,
0.6335

234.1309, 0.3101,
0.4433

 10.1060, 0.2488,
0.6923

282.7559, 0.3108,
0.4356

 5.4693, 0.2148,
0.7852

337.6862, 0.3113,

 2.5252, 0.1135,

0.4289

0.8865

399.3062, 0.3117,
0.4230

0.8892, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.1318, 0.3021,
0.5064

72.1318, 0.3021,
0.5064

70.3209, 0.3007,
0.5387

74.5372, 0.3038,
0.4715

69.0448, 0.2998,
0.5658


77.5729, 0.3058,
0.4364


68.2474, 0.2995,
0.5854

81.2822, 0.3078,
0.4030

67.8548, 0.2996,
0.5964

85.7025, 0.3097,
0.3725

 67.7806, 0.2996,
0.5984

 90.8679, 0.3116,
0.3453

 96.2408, 0.3130,
0.3233

Harmonies

Analogous

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



72.1318, 0.3940, 0.5074



72.1318, 0.3021, 0.5064



72.1318, 0.2178, 0.4217

Triad

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



72.1318, 0.3021, 0.5064



72.1318, 0.1646, 0.1904



72.1318, 0.4846, 0.3145

Complementary

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



72.1318, 0.3021, 0.5064



37.3720, 0.3237, 0.1992

Split Complementary

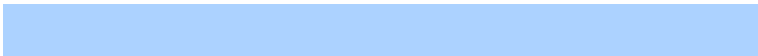
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1318, 0.4004, 0.2538



72.1318, 0.3021, 0.5064



72.1318, 0.2135, 0.1859

Square

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



72.1318, 0.3021, 0.5064



72.1318, 0.1483, 0.2280



72.1318, 0.2964, 0.2084



72.1318, 0.5086, 0.3821

Rectangle

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



72.1318, 0.3021, 0.5064



72.1318, 0.1781, 0.3441



72.1318, 0.2964, 0.2084



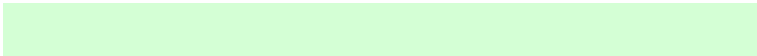
72.1318, 0.4619, 0.2932

Sweetspot

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



72.1348, 0.3021, 0.5064



90.2803, 0.3097, 0.3735



88.1302, 0.3907, 0.4653



19.1107, 0.3093, 0.3794



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.



72.1348, 0.3021, 0.5064



73.9985, 0.3005, 0.5430



74.3681, 0.2706, 0.4139



19.3194, 0.3111, 0.3526



36.2812, 0.2994, 0.5978



3.3637, 0.2979, 0.5923

Inverse Universe

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



37.3720, 0.3237, 0.1992



34.0569, 0.3258, 0.1811



33.8922, 0.4014, 0.2614



17.5131, 0.3144, 0.3065



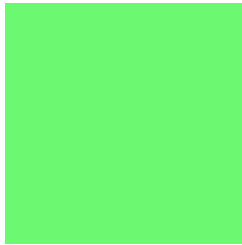
14.1526, 0.3302, 0.1593



1.3141, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 72.1318, 0.3021, 0.5064 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 72.1318, 0.3021, 0.5064 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 72.1318, 0.3021, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 72.1318, 0.3021, 0.5064.

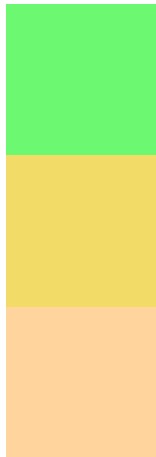


This preview shows how white text looks on a background with the Yxy color 72.1318, 0.3021, 0.5064.

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

72.1318, 0.3021, 0.5064

Protanopia

70.6970, 0.4085, 0.4460

Deuteranopia

70.7813, 0.3863, 0.3858



Tritanopia

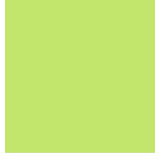
71.6002, 0.2491, 0.3067

Trichromacy



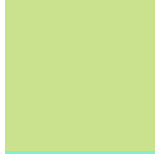
Original Color

72.1318, 0.3021, 0.5064



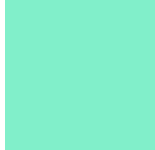
Protanomaly

69.1245, 0.3625, 0.4710



Deuteranomaly

68.3301, 0.3509, 0.4275



Tritanomaly

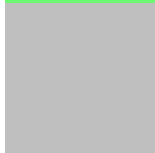
70.6644, 0.2689, 0.3757

Monochromacy



Original Color

72.1318, 0.3021, 0.5064



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.3084, 0.3082, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1318, 0.3021, 0.5064 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(108, 249, 113)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 113)  
}
```

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(108, 249, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 113) }
```

Border

The CSS property to change the border of an element to Yxy 72.1318, 0.3021, 0.5064 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(108, 249, 113) }
```

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

```
.border{ border-color:rgb(108, 249, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 113);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1318, 0.3021, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 113) }
```

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

```
.background{ background-color: rgb(108,  
249, 113) }
```

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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