

Converting Colors

$Y_{xy}(72.8175, 0.3045, 0.5224)$

Have a look what the booklet for
Yxy(72.8175, 0.3045, 0.5224)
contains.

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Color

Yxy(72.8175, 0.3045, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	67FB65
RGB	103, 251, 101
RGB Percent	40%, 98%, 40%
CMY	0.5958, 0.0157, 0.6039
CMYK	0.59, 0.00, 0.60, 0.02
HSL	119°, 95%, 69%
HSV	119°, 60%, 98%
XYZ	42.4444, 72.8175, 24.1285
YIQ	189.6480, -40.0580, -78.0260

Conversions

Conversions Part 2

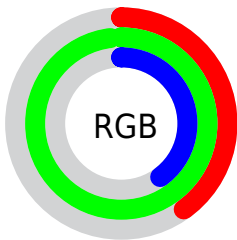
Format	Color
RYB	101, 251, 249
Decimal	6814565
CIELab	88.36, -67.65, 58.90
CIELCh	88, 89.703, 138.955
Yxy	72.8175, 0.3045, 0.5224
Android (android.graphics.Color)	4285004645 (0xFF67FB65)
YUV	189.6480, -43.7035, -75.9903
Hunter-Lab	85.3332, -60.5479, 42.9686

Details

The Yxy color **72.8175, 0.3045, 0.5224** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.4005, 0.3173, 0.1890**, and the grayscale version is **51.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0273, 0.3128, 0.4464**, and **38.4005, 0.2940, 0.5737** is the 20% darker color. If you saturate the color by 10%, you get **71.1469, 0.3030, 0.5532**, and if you desaturate by 10%, it is **75.0776, 0.3061, 0.4875**.

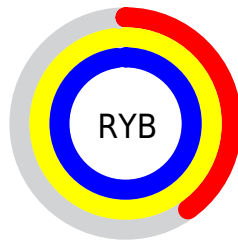
Distribution



Red (40%)

Green (98%)

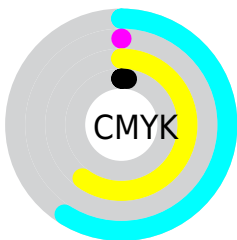
Blue (40%)



Red (40%)

Yellow (98%)

Blue (98%)

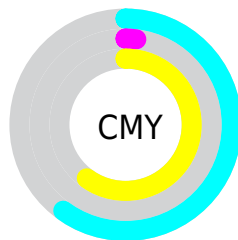


Cyan (59%)

Magenta (0%)

Yellow (60%)

Black (2%)



Cyan (60%)


Magenta (2%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8175, 0.3045, 0.5224 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 72.8175, 0.3045, 0.5224 by changing the saturation by 10% instead.


 72.8175, 0.3045,
0.5224

 72.8175, 0.3045,
0.5224


470.3821, 0.3144,
0.4259


 53.8267, 0.3004,
0.5454


 123.2181, 0.3094,
0.4879


 38.4632, 0.2942,
0.5741


 155.3967, 0.3109,
0.4748

 26.3424, 0.2848,
0.6102


 192.7401, 0.3119,
0.4636

 17.0799, 0.2697,
0.6565

 235.6326, 0.3127,
0.4539

 10.2915, 0.2458,
0.7188

284.4587, 0.3134,
0.4455

 5.5927, 0.2041,
0.7959


339.6027, 0.3138,


 2.5990, 0.0974,


0.4382


0.9026


401.4490, 0.3142,
0.4317

 0.9262, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.8175, 0.3045,
0.5224

 72.8175, 0.3045,
0.5224


 71.1469, 0.3030,
0.5532


 75.0776, 0.3061,
0.4875

 70.0030, 0.3017,
0.5772


 77.9652, 0.3077,
0.4514


 69.3254, 0.3007,
0.5926


 81.5256, 0.3092,
0.4162


 69.0213, 0.3002,
0.5997

 85.7974, 0.3106,
0.3836

 69.0162, 0.3002,
0.5998

 90.8163, 0.3117,
0.3542

 96.6157, 0.3127,
0.3284

 97.4740, 0.3129,
0.3252

Harmonies

Analogous

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



72.8175, 0.4011, 0.5159



72.8175, 0.3045, 0.5224



72.8175, 0.2150, 0.4347

Triad

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



72.8175, 0.3045, 0.5224



72.8175, 0.1554, 0.1837



72.8175, 0.4931, 0.3089

Complementary

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



72.8175, 0.3045, 0.5224



36.4005, 0.3173, 0.1890

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.



72.8175, 0.4006, 0.2465



72.8175, 0.3045, 0.5224



72.8175, 0.2043, 0.1780

Square

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



72.8175, 0.3045, 0.5224



72.8175, 0.1399, 0.2242



72.8175, 0.2898, 0.2003



72.8175, 0.5209, 0.3789

Rectangle

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



72.8175, 0.3045, 0.5224



72.8175, 0.1724, 0.3503



72.8175, 0.2898, 0.2003



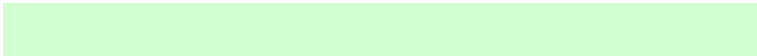
72.8175, 0.4678, 0.2870

Sweetspot

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



72.8205, 0.3045, 0.5224



89.7905, 0.3108, 0.3782



88.8909, 0.3988, 0.4673



18.9176, 0.3104, 0.3872



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.



72.8205, 0.3045, 0.5224



73.4328, 0.3026, 0.5594



74.7970, 0.2728, 0.4299



19.3206, 0.3118, 0.3535



36.2830, 0.3003, 0.5998



3.3643, 0.3010, 0.5992

Inverse Universe

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



36.4005, 0.3173, 0.1890



32.5623, 0.3177, 0.1706



33.0506, 0.3992, 0.2512



17.5117, 0.3136, 0.3056



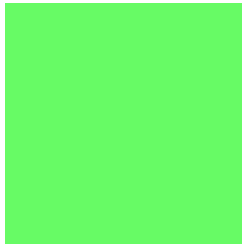
14.1137, 0.3175, 0.1523



1.3110, 0.3179, 0.1525

Previews

White Background



This preview shows how the Yxy color 72.8175, 0.3045, 0.5224 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 72.8175, 0.3045, 0.5224 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 72.8175, 0.3045, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 72.8175, 0.3045, 0.5224.

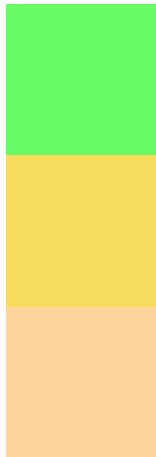


This preview shows how white text looks on a background with the Yxy color 72.8175, 0.3045, 0.5224.

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

72.8175, 0.3045, 0.5224

Protanopia

71.3716, 0.4151, 0.4545

Deuteranopia

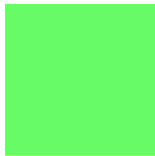
71.3171, 0.3851, 0.3857



Tritanopia

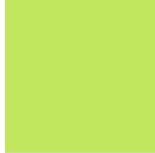
72.0614, 0.2479, 0.3068

Trichromacy



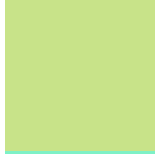
Original Color

72.8175, 0.3045, 0.5224



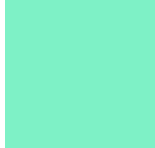
Protanomaly

69.3155, 0.3671, 0.4834



Deuteranomaly

69.0237, 0.3512, 0.4344



Tritanomaly

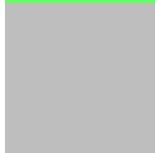
71.4234, 0.2698, 0.3835

Monochromacy



Original Color

72.8175, 0.3045, 0.5224



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.8247, 0.3093, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8175, 0.3045, 0.5224 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(103, 251, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 251, 101)  
}
```

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(103, 251, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 251, 101) }
```

Border

The CSS property to change the border of an element to Yxy 72.8175, 0.3045, 0.5224 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(103, 251, 101) }
```

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

```
.border{ border-color:rgb(103, 251, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 251, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 251, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 251, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 251,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8175, 0.3045, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 251, 101) }
```

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

```
.background{ background-color: rgb(103,  
251, 101) }
```

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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