

Converting Colors

$Y_{xy}(72.4772, 0.3006, 0.5211)$

Have a look what the booklet for
Yxy(72.4772, 0.3006, 0.5211)
contains.

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Color

Yxy(72.4806, 0.3005, 0.5208)

Conversions

Conversions Part 1

Format	Color
Hex	60FB68
RGB	96, 251, 104
RGB Percent	38%, 98%, 41%
CMY	0.6234, 0.0157, 0.5923
CMYK	0.62, 0.00, 0.59, 0.02
HSL	123°, 95%, 68%
HSV	123°, 62%, 98%
XYZ	41.8211, 72.4806, 24.8700
YIQ	187.8970, -45.1930, -78.5770

Conversions

Conversions Part 2

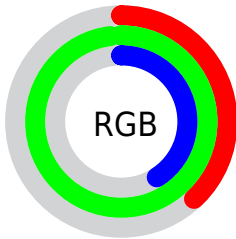
Format	Color
RYB	96, 243, 251
Decimal	6355816
CIELab	88.20, -68.84, 57.40
CIELCh	88, 89.629, 140.178
Yxy	72.4806, 0.3005, 0.5208
Android (android.graphics.Color)	4284545896 (0xFF60FB68)
YUV	187.8970, -41.3612, -80.5937
Hunter-Lab	85.1355, -61.3027, 42.2750

Details

The Yxy color **72.4806, 0.3005, 0.5208** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **35.3597, 0.3269, 0.1921**, and the grayscale version is **50.4918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4968, 0.3079, 0.4440**, and **38.3533, 0.2921, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **70.9146, 0.2994, 0.5509**, and if you desaturate by 10%, it is **74.6238, 0.3021, 0.4870**.

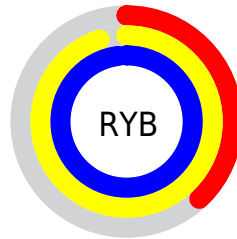
Distribution



Red (38%)

Green (98%)

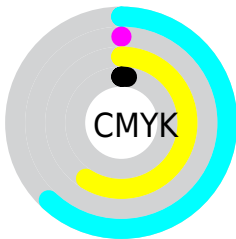
Blue (41%)



Red (38%)

Yellow (95%)

Blue (98%)

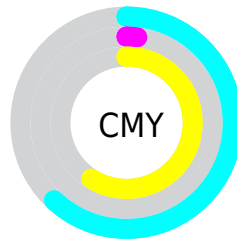


Cyan (62%)

Magenta (0%)

Yellow (59%)

Black (2%)



Cyan (62%)


Magenta (2%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4806, 0.3005, 0.5208 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 72.4806, 0.3005, 0.5208 by changing the saturation by 10% instead.


 72.4806, 0.3005,
0.5208


 72.4806, 0.3005,
0.5208


469.2127, 0.3121,
0.4248

 53.5514, 0.2961,
0.5439


 122.7396, 0.3059,
0.4864


 38.2431, 0.2896,
0.5726


 154.8381, 0.3076,
0.4733

 26.1714, 0.2798,
0.6091


 192.0952, 0.3089,
0.4622

 16.9519, 0.2643,
0.6560

 234.8952, 0.3099,
0.4526

 10.2002, 0.2397,
0.7186

283.6226, 0.3106,
0.4442

 5.5319, 0.1985,
0.8015


338.6617, 0.3112,

 2.5626, 0.0838,


0.4370


0.9162


400.3969, 0.3117,
0.4305

 0.9079, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4806, 0.3005,
0.5208


 72.4806, 0.3005,
0.5208


 70.9146, 0.2994,
0.5509


 74.6238, 0.3021,
0.4870


 69.8617, 0.2990,
0.5747


 77.3829, 0.3040,
0.4522

 69.2596, 0.2991,
0.5907


 80.8038, 0.3061,
0.4182

 69.0245, 0.2994,
0.5978

 84.9255, 0.3083,
0.3867

 89.7840, 0.3104,
0.3582

 95.4127, 0.3124,
0.3330

 97.4759, 0.3129,
0.3252

Harmonies

Analogous

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



72.4806, 0.3974, 0.5178



72.4806, 0.3005, 0.5208



72.4806, 0.2118, 0.4298

Triad

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



72.4806, 0.3005, 0.5208



72.4806, 0.1566, 0.1828



72.4806, 0.4958, 0.3116

Complementary

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



72.4806, 0.3005, 0.5208



35.3597, 0.3269, 0.1921

Split Complementary

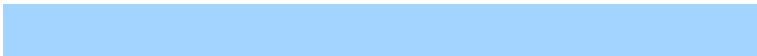
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4806, 0.4052, 0.2488



72.4806, 0.3005, 0.5208



72.4806, 0.2070, 0.1783

Square

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



72.4806, 0.3005, 0.5208



72.4806, 0.1398, 0.2216



72.4806, 0.2940, 0.2016



72.4806, 0.5206, 0.3818

Rectangle

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



72.4806, 0.3005, 0.5208



72.4806, 0.1703, 0.3453



72.4806, 0.2940, 0.2016



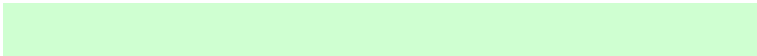
72.4806, 0.4714, 0.2896

Sweetspot

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



72.4836, 0.3005, 0.5208



89.3253, 0.3089, 0.3786



88.9412, 0.3940, 0.4757



18.8284, 0.3083, 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.



72.4836, 0.3005, 0.5208



73.2096, 0.2993, 0.5571



74.8323, 0.2675, 0.4197



19.3236, 0.3109, 0.3522



36.2874, 0.2991, 0.5969



3.3657, 0.2970, 0.5892

Inverse Universe

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



35.3597, 0.3269, 0.1921



31.8064, 0.3297, 0.1755



31.6282, 0.4172, 0.2596



17.5084, 0.3146, 0.3068



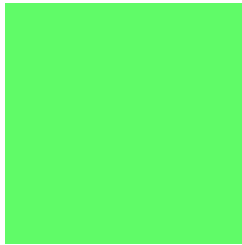
14.0377, 0.3341, 0.1614



1.3047, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 72.4806, 0.3005, 0.5208 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 72.4806, 0.3005, 0.5208 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

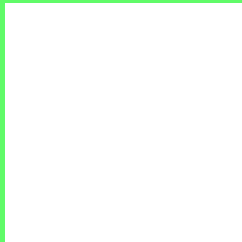
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4806, 0.3005, 0.5208

Background



This preview shows how black text looks on a background with the Yxy color 72.4806, 0.3005, 0.5208.

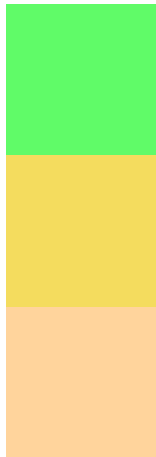


This preview shows how white text looks on a background with the Yxy color 72.4806, 0.3005, 0.5208.

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

72.4806, 0.3005, 0.5208

Protanopia

71.2276, 0.4133, 0.4535

Deuteranopia

70.7473, 0.3870, 0.3868



Tritanopia

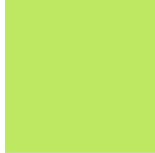
72.2792, 0.2456, 0.3067

Trichromacy



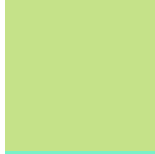
Original Color

72.4806, 0.3005, 0.5208



Protanomaly

68.9808, 0.3634, 0.4820



Deuteranomaly

68.0692, 0.3493, 0.4343



Tritanomaly

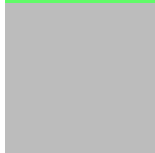
71.0738, 0.2662, 0.3812

Monochromacy



Original Color

72.4806, 0.3005, 0.5208



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.9914, 0.3079, 0.4019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4806, 0.3005, 0.5208 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(96, 251, 104)` looks like.

```
.text, #text, p{  
    color:rgb(96, 251, 104)  
}
```

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(96, 251, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 251, 104) }
```

Border

The CSS property to change the border of an element to Yxy 72.4806, 0.3005, 0.5208 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(96, 251, 104) }
```

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

```
.border{ border-color:rgb(96, 251, 104) }
```

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

Here you see how a box with a 4 pixel rgb(96, 251, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 251, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 251, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 251,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4806, 0.3005, 0.5208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 251, 104) }
```

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

```
.background{ background-color: rgb(96, 251,  
104) }
```

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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