

Converting Colors

Yxy(72.1433, 0.3041, 0.5126)

Have a look what the booklet for
Yxy(72.1433, 0.3041, 0.5126)
contains.

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Color

Yxy(72.0222, 0.3041, 0.5122)

Conversions

Conversions Part 1

Format	Color
Hex	6CF96C
RGB	108, 249, 108
RGB Percent	42%, 98%, 42%
CMY	0.5767, 0.0235, 0.5765
CMYK	0.57, 0.00, 0.57, 0.02
HSL	120°, 92%, 70%
HSV	120°, 57%, 98%
XYZ	42.7605, 72.0222, 25.8307
YIQ	190.7670, -38.7750, -73.7430

Conversions

Conversions Part 2

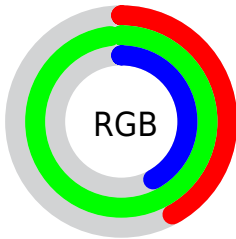
Format	Color
RYB	108, 249, 249
Decimal	7141740
CIELab	87.98, -65.06, 55.46
CIELCh	88, 85.496, 139.553
Yxy	72.0222, 0.3041, 0.5122
Android (android.graphics.Color)	4285331820 (0xFF6CF96C)
YUV	190.7670, -40.8041, -72.5867
Hunter-Lab	84.8659, -58.5763, 41.3600

Details

The Yxy color **72.0222, 0.3041, 0.5122** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.6915, 0.3190, 0.1955**, and the grayscale version is **52.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7104, 0.3116, 0.4372**, and **37.8193, 0.2946, 0.5609** is the 20% darker color. If you saturate the color by 10%, you get **70.2252, 0.3026, 0.5446**, and if you desaturate by 10%, it is **74.4221, 0.3058, 0.4765**.

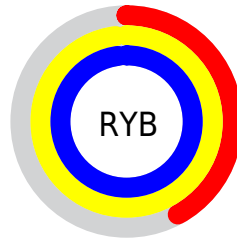
Distribution



Red (42%)

Green (98%)

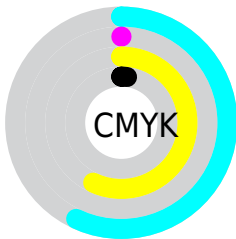
Blue (42%)



Red (42%)

Yellow (98%)

Blue (98%)

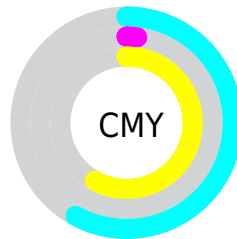


Cyan (57%)

Magenta (0%)

Yellow (57%)

Black (2%)



Cyan (58%)


Magenta (2%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0222, 0.3041, 0.5122 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 72.0222, 0.3041, 0.5122 by changing the saturation by 10% instead.


 72.0222, 0.3041,
0.5122

 72.0222, 0.3041,
0.5122


467.6189, 0.3135,
0.4206

 53.1768, 0.3003,
0.5342


 122.0881, 0.3087,
0.4794


 37.9439, 0.2947,
0.5617


 154.0774, 0.3100,
0.4669

 25.9392, 0.2860,
0.5967


 191.2168, 0.3111,
0.4563

 16.7781, 0.2722,
0.6419

 233.8906, 0.3119,
0.4471

 10.0764, 0.2494,
0.7019

282.4834, 0.3124,
0.4392

 5.4497, 0.2121,
0.7879

337.3794, 0.3129,

 2.5134, 0.1077,

0.4322

0.8923

398.9631, 0.3133,
0.4261

0.8834, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.0222, 0.3041,
0.5122

72.0222, 0.3041,
0.5122

70.2252, 0.3026,
0.5446

74.4221, 0.3058,
0.4765

68.9696, 0.3013,
0.5710

77.4622, 0.3075,
0.4404

68.1972, 0.3005,
0.5890

81.1869, 0.3091,
0.4058

67.8307, 0.3001,
0.5981

85.6347, 0.3106,
0.3741

 67.7586, 0.3000,
0.6000

 90.8407, 0.3119,
0.3458

 96.2384, 0.3130,
0.3233

Harmonies

Analogous

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



72.0222, 0.3975, 0.5098



72.0222, 0.3041, 0.5122



72.0222, 0.2178, 0.4274

Triad

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



72.0222, 0.3041, 0.5122



72.0222, 0.1612, 0.1884



72.0222, 0.4867, 0.3118

Complementary

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



72.0222, 0.3041, 0.5122



37.6915, 0.3190, 0.1955

Split Complementary

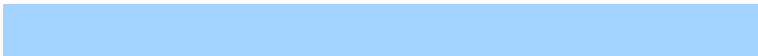
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0222, 0.3992, 0.2507



72.0222, 0.3041, 0.5122



72.0222, 0.2096, 0.1832

Square

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



72.0222, 0.3041, 0.5122



72.0222, 0.1455, 0.2275



72.0222, 0.2930, 0.2053



72.0222, 0.5128, 0.3802

Rectangle

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



72.0222, 0.3041, 0.5122



72.0222, 0.1768, 0.3476



72.0222, 0.2930, 0.2053



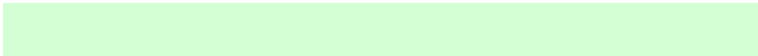
72.0222, 0.4628, 0.2903

Sweetspot

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



72.0252, 0.3041, 0.5122



90.2016, 0.3105, 0.3752



88.9817, 0.3940, 0.4635



19.0925, 0.3102, 0.3814



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.



72.0252, 0.3041, 0.5122



73.9000, 0.3024, 0.5488



74.1763, 0.2728, 0.4203



19.3094, 0.3116, 0.3535



36.2664, 0.3000, 0.6000



3.3589, 0.3000, 0.5999

Inverse Universe

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



37.6915, 0.3190, 0.1955



34.4506, 0.3199, 0.1770



34.0877, 0.3955, 0.2567



17.5245, 0.3138, 0.3056



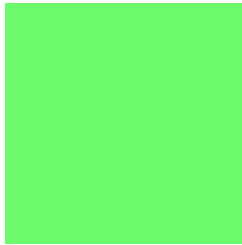
14.4388, 0.3210, 0.1542



1.3373, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 72.0222, 0.3041, 0.5122 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 72.0222, 0.3041, 0.5122 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 72.0222, 0.3041, 0.5122

Background



This preview shows how black text looks on a background with the Yxy color 72.0222, 0.3041, 0.5122.

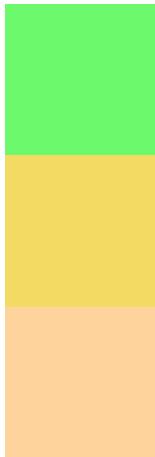


This preview shows how white text looks on a background with the Yxy color 72.0222, 0.3041, 0.5122.

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

72.0222, 0.3041, 0.5122

Protanopia

70.6186, 0.4106, 0.4492

Deuteranopia

70.7473, 0.3870, 0.3868



Tritanopia

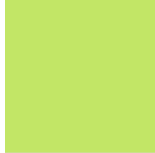
71.6002, 0.2491, 0.3067

Trichromacy



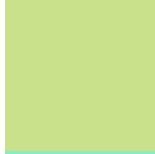
Original Color

72.0222, 0.3041, 0.5122



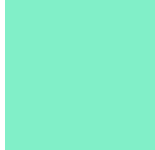
Protanomaly

69.0223, 0.3650, 0.4758



Deuteranomaly

68.2711, 0.3521, 0.4297



Tritanomaly

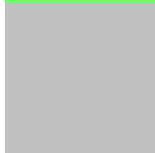
70.5703, 0.2699, 0.3783

Monochromacy



Original Color

72.0222, 0.3041, 0.5122



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.2372, 0.3095, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0222, 0.3041, 0.5122 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, 108)` looks like.

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

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, 108) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 72.0222, 0.3041, 0.5122 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, 108) }
```

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

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

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, 108)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 72.0222, 0.3041, 0.5122 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, 108) }
```

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

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

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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