

Converting Colors

$Yxy(70.5426, 0.3014, 0.5258)$

Have a look what the booklet for
Yxy(70.5426, 0.3014, 0.5258)
contains.

Yxy(70.3628, 0.3011, 0.5253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.3628, 0.3011, 0.5253)

Conversions

Conversions Part 1

Format	Color
Hex	5DF863
RGB	93, 248, 99
RGB Percent	36%, 97%, 39%
CMY	0.6353, 0.0274, 0.6119
CMYK	0.63, 0.00, 0.60, 0.03
HSL	122°, 92%, 67%
HSV	122°, 63%, 97%
XYZ	40.3317, 70.3628, 23.2533
YIQ	184.6690, -44.5510, -79.1990

Conversions

Conversions Part 2

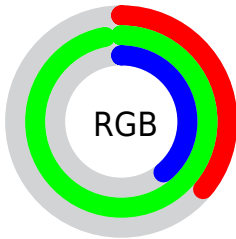
Format	Color
RYB	93, 242, 248
Decimal	6158435
CIELab	87.17, -68.99, 58.34
CIELCh	87, 90.351, 139.781
Yxy	70.3628, 0.3011, 0.5253
Android (android.graphics.Color)	4284348515 (0xFF5DF863)
YUV	184.6690, -42.2348, -80.3937
Hunter-Lab	83.8825, -60.9696, 42.2818

Details

The Yxy color **70.3628, 0.3011, 0.5253** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **34.1959, 0.3252, 0.1896**, and the grayscale version is **48.5780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1222, 0.3092, 0.4504**, and **37.0013, 0.2932, 0.5756** is the 20% darker color. If you saturate the color by 10%, you get **68.8843, 0.3000, 0.5549**, and if you desaturate by 10%, it is **72.4011, 0.3027, 0.4916**.

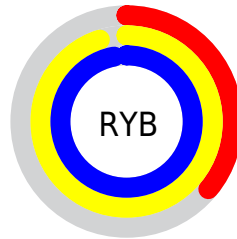
Distribution



Red (36%)

Green (97%)

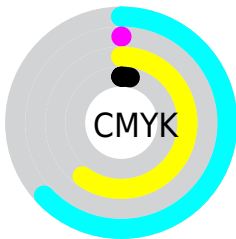
Blue (39%)



Red (36%)

Yellow (95%)

Blue (97%)

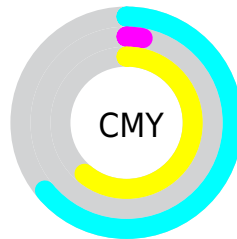


Cyan (63%)

Magenta (0%)

Yellow (60%)

Black (3%)



Cyan (64%)


Magenta (3%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3628, 0.3011, 0.5253 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 70.3628, 0.3011, 0.5253 by changing the saturation by 10% instead.


 70.3628, 0.3011,
0.5253


 70.3628, 0.3011,
0.5253


461.8228, 0.3128,
0.4266

 51.8224, 0.2965,
0.5491


 119.7260, 0.3067,
0.4899

 36.8635, 0.2897,
0.5788


 151.3175, 0.3084,
0.4764

 25.1018, 0.2794,
0.6164


 188.0282, 0.3096,
0.4649

 16.1529, 0.2629,
0.6646

 230.2425, 0.3106,
0.4551

 9.6324, 0.2376,
0.7319

278.3447, 0.3114,
0.4465

 5.1559, 0.1915,
0.8085


332.7192, 0.3120,

 2.3390, 0.0499,


0.4390


0.9501


393.7504, 0.3124,
0.4324


 0.7943, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 70.3628, 0.3011,
0.5253

 70.3628, 0.3011,
0.5253


 68.8843, 0.3000,
0.5549

 72.4011, 0.3027,
0.4916

 67.9024, 0.2994,
0.5779


 75.0378, 0.3045,
0.4564


 67.3544, 0.2994,
0.5926

 78.3182, 0.3065,
0.4220

 67.1598, 0.2995,
0.5983

 82.2807, 0.3085,
0.3898

 86.9610, 0.3105,
0.3607

 92.3918, 0.3123,
0.3349

 95.6188, 0.3130,
0.3223

Harmonies

Analogous

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



70.3628, 0.3993, 0.5202



70.3628, 0.3011, 0.5253



70.3628, 0.2110, 0.4335

Triad

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



70.3628, 0.3011, 0.5253



70.3628, 0.1541, 0.1810



70.3628, 0.4982, 0.3101

Complementary

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



70.3628, 0.3011, 0.5253



34.1959, 0.3252, 0.1896

Split Complementary

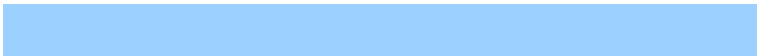
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.3628, 0.4052, 0.2468



70.3628, 0.3011, 0.5253



70.3628, 0.2044, 0.1762

Square

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



70.3628, 0.3011, 0.5253



70.3628, 0.1375, 0.2206



70.3628, 0.2921, 0.1994



70.3628, 0.5240, 0.3809

Rectangle

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



70.3628, 0.3011, 0.5253



70.3628, 0.1687, 0.3470



70.3628, 0.2921, 0.1994



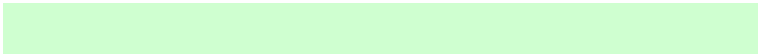
70.3628, 0.4730, 0.2879

Sweetspot

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



70.3657, 0.3011, 0.5253



89.2955, 0.3092, 0.3793



86.9550, 0.3965, 0.4759



18.8214, 0.3087, 0.3879



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.



70.3657, 0.3011, 0.5253



73.0584, 0.2998, 0.5616



72.5866, 0.2684, 0.4246



19.3201, 0.3110, 0.3526



36.2822, 0.2993, 0.5976



3.3641, 0.2977, 0.5918

Inverse Universe

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



34.1959, 0.3252, 0.1896



31.6518, 0.3275, 0.1729



30.5128, 0.4155, 0.2564



17.5123, 0.3144, 0.3065



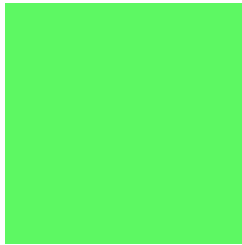
14.1335, 0.3308, 0.1596



1.3125, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 70.3628, 0.3011, 0.5253 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 70.3628, 0.3011, 0.5253 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 70.3628, 0.3011, 0.5253

Background



This preview shows how black text looks on a background with the Yxy color 70.3628, 0.3011, 0.5253.



This preview shows how white text looks on a background with the Yxy color 70.3628, 0.3011, 0.5253.

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

70.3628, 0.3011, 0.5253

Protanopia

69.0647, 0.4149, 0.4553

Deuteranopia

68.9053, 0.3963, 0.3949



Tritanopia

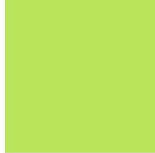
70.0682, 0.2454, 0.3076

Trichromacy



Original Color

70.3628, 0.3011, 0.5253



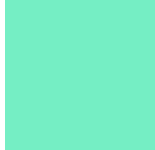
Protanomaly

66.8419, 0.3647, 0.4855



Deuteranomaly

66.0696, 0.3548, 0.4419



Tritanomaly

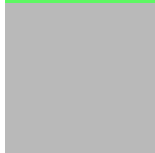
68.9165, 0.2663, 0.3833

Monochromacy



Original Color

70.3628, 0.3011, 0.5253



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.1202, 0.3078, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3628, 0.3011, 0.5253 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(93, 248, 99)` looks like.

```
.text, #text, p{  
    color:rgb(93, 248, 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(93, 248, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 248, 99) }
```

Border

The CSS property to change the border of an element to Yxy 70.3628, 0.3011, 0.5253 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(93, 248, 99) }
```

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

```
.border{ border-color:rgb(93, 248, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 248, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 248, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 248, 99);  
box-shadow:4px 4px 4px 4px rgb(93, 248,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3628, 0.3011, 0.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 248, 99) }
```

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

```
.background{ background-color: rgb(93, 248,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor