

Converting Colors

$Y_{xy}(53.0900, 0.2998, 0.5380)$

Have a look what the booklet for
Yxy(53.0900, 0.2998, 0.5380)
contains.

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Color

Yxy(53.0905, 0.2997, 0.5375)

Conversions

Conversions Part 1

Format	Color
Hex	47DC4F
RGB	71, 220, 79
RGB Percent	28%, 86%, 31%
CMY	0.7216, 0.1372, 0.6903
CMYK	0.68, 0.00, 0.64, 0.14
HSL	123°, 68%, 57%
HSV	123°, 68%, 86%
XYZ	29.6023, 53.0905, 16.0802
YIQ	159.3750, -43.5430, -75.4390

Conversions

Conversions Part 2

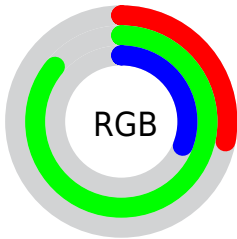
Format	Color
RYB	71, 212, 220
Decimal	4709455
CIELab	77.93, -65.94, 56.23
CIELCh	78, 86.661, 139.546
Yxy	53.0905, 0.2997, 0.5375
Android (android.graphics.Color)	4282899535 (0xFF47DC4F)
YUV	159.3750, -39.6249, -77.5049
Hunter-Lab	72.8632, -54.9911, 37.9195

Details

The Yxy color **53.0905, 0.2997, 0.5375** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **24.4773, 0.3286, 0.1842**, and the grayscale version is **35.0518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5318, 0.3076, 0.4802**, and **26.2381, 0.2975, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **52.1490, 0.2990, 0.5643**, and if you desaturate by 10%, it is **54.4323, 0.3010, 0.5057**.

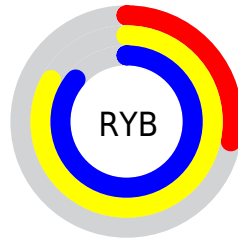
Distribution



Red (28%)

Green (86%)

Blue (31%)



Red (28%)

Yellow (83%)

Blue (86%)

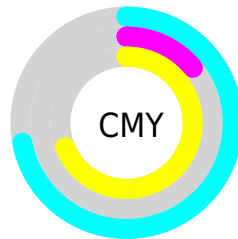


Cyan (68%)

Magenta (0%)

Yellow (64%)

Black (14%)



Cyan (72%)


Magenta (14%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0905, 0.2997, 0.5375 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 53.0905, 0.2997, 0.5375 by changing the saturation by 10% instead.

 53.0905, 0.2997,
0.5375

 53.0905, 0.2997,
0.5375

398.6322, 0.3132,
0.4276


 37.8750, 0.2939,
0.5654


 94.7375, 0.3064,
0.4969


 25.8857, 0.2849,
0.6009


 121.9379, 0.3084,
0.4818


 16.7382, 0.2706,
0.6467


 153.9019, 0.3098,
0.4691

 10.0480, 0.2472,
0.7077

 191.0141, 0.3109,
0.4583

 5.4308, 0.2083,
0.7917

 233.6589, 0.3117,
0.4490

 2.5022, 0.0996,
0.9004

282.2206, 0.3123,

 0.8777, 0.0000,

0.4409

1.0000

337.0835, 0.3128,
0.4338

0.0000, 0.0000,
0.0000

53.0905, 0.2997,
0.5375

53.0905, 0.2997,
0.5375

52.1490, 0.2990,
0.5643

54.4323, 0.3010,
0.5057

51.5576, 0.2989,
0.5840

56.2050, 0.3028,
0.4715


51.2601, 0.2993,
0.5956


58.4437, 0.3048,
0.4371


51.2149, 0.2992,
0.5973


61.1781, 0.3070,
0.4044

64.4355, 0.3091,
0.3744

 68.2411, 0.3112,
0.3475

 72.6186, 0.3131,
0.3239

 77.5901, 0.3149,
0.3035

 79.6689, 0.3143,
0.2950

Harmonies

Analogous

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



53.0905, 0.4017, 0.5282



53.0905, 0.2997, 0.5375



53.0905, 0.2061, 0.4407

Triad

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



53.0905, 0.2997, 0.5375



53.0905, 0.1477, 0.1750



53.0905, 0.5072, 0.3075

Complementary

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



53.0905, 0.2997, 0.5375



24.4773, 0.3286, 0.1842

Split Complementary

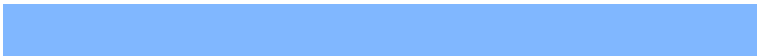
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.0905, 0.4088, 0.2425



53.0905, 0.2997, 0.5375



53.0905, 0.1991, 0.1702

Square

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



53.0905, 0.2997, 0.5375



53.0905, 0.1308, 0.2155



53.0905, 0.2898, 0.1939



53.0905, 0.5337, 0.3801

Rectangle

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



53.0905, 0.2997, 0.5375



53.0905, 0.1625, 0.3482



53.0905, 0.2898, 0.1939



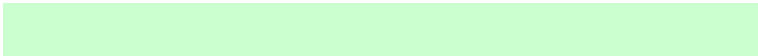
53.0905, 0.4807, 0.2847

Sweetspot

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



53.0927, 0.2997, 0.5375



88.8493, 0.3086, 0.3814



65.7234, 0.3987, 0.4848



18.7362, 0.3080, 0.3898



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.



53.0927, 0.2997, 0.5375



72.4805, 0.2989, 0.5730



54.8268, 0.2658, 0.4294



14.6175, 0.3109, 0.3518



30.0611, 0.2990, 0.5964



1.9516, 0.2960, 0.5855

Inverse Universe

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



24.4773, 0.3286, 0.1842



29.9385, 0.3317, 0.1693



21.5592, 0.4317, 0.2560



13.2622, 0.3146, 0.3072



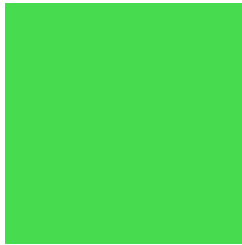
11.6142, 0.3347, 0.1618



0.7562, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 53.0905, 0.2997, 0.5375 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 53.0905, 0.2997, 0.5375 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 53.0905, 0.2997, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 53.0905, 0.2997, 0.5375.

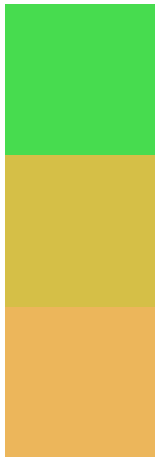


This preview shows how white text looks on a background with the Yxy color 53.0905, 0.2997, 0.5375.

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

53.0905, 0.2997, 0.5375

Protanopia

51.8627, 0.4194, 0.4608

Deuteranopia

52.0441, 0.4347, 0.4252



Tritanopia

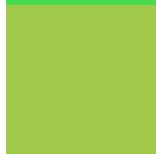
52.7853, 0.2426, 0.3062

Trichromacy



Original Color

53.0905, 0.2997, 0.5375



Protanomaly

50.3125, 0.3647, 0.4952



Deuteranomaly

49.3981, 0.3740, 0.4694



Tritanomaly

52.0156, 0.2643, 0.3876

Monochromacy



Original Color

53.0905, 0.2997, 0.5375



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

39.1715, 0.3065, 0.4097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0905, 0.2997, 0.5375 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(71, 220, 79)` looks like.

```
.text, #text, p{  
    color:rgb(71, 220, 79)  
}
```

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(71, 220, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 220, 79) }
```

Border

The CSS property to change the border of an element to Yxy 53.0905, 0.2997, 0.5375 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(71, 220, 79) }
```

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

```
.border{ border-color:rgb(71, 220, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 220, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 220, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 220, 79);  
box-shadow:4px 4px 4px 4px rgb(71, 220,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0905, 0.2997, 0.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 220, 79) }
```

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

```
.background{ background-color: rgb(71, 220,  
79) }
```

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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