

# Converting Colors

Yxy(53.7848, 0.3036, 0.4997)

Have a look what the booklet for  
Yxy(53.7848, 0.3036, 0.4997)  
contains.

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**Color**

**Yxy(53.8114, 0.3037, 0.4993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64DA66
RGB	100, 218, 102
RGB Percent	39%, 85%, 40%
CMY	0.6076, 0.1451, 0.6000
CMYK	0.54, 0.00, 0.53, 0.15
HSL	121°, 61%, 62%
HSV	121°, 54%, 85%
XYZ	32.7309, 53.8114, 21.2314
YIQ	169.4940, -33.0920, -61.0920

# Conversions

## Conversions Part 2

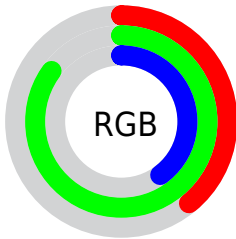
Format	Color
<a href="#">RYB</a>	<a href="#">100, 216, 218</a>
Decimal	<a href="#">6609510</a>
CIELab	<a href="#">78.35, -56.22, 46.70</a>
CIELCh	<a href="#">78, 73.089, 140.288</a>
Yxy	<a href="#">53.8114, 0.3037, 0.4993</a>
Android (android.graphics.Color)	<a href="#">4284799590 (0xFF64DA66)</a>
YUV	<a href="#">169.4940, -33.2745, -60.9462</a>
Hunter-Lab	<a href="#">73.3563, -48.7284, 34.1891</a>

# Details

The Yxy color **53.8114, 0.3037, 0.4993** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.9941, 0.3207, 0.2027**, and the grayscale version is **40.1240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2575, 0.3093, 0.4490**, and **26.3470, 0.2939, 0.5519** is the 20% darker color. If you saturate the color by 10%, you get **52.3596, 0.3022, 0.5326**, and if you desaturate by 10%, it is **55.7103, 0.3054, 0.4639**.

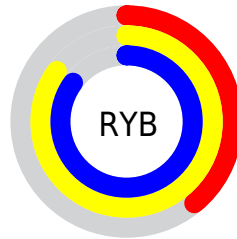
# Distribution



Red (39%)

Green (85%)

Blue (40%)



Red (39%)

Yellow (85%)

Blue (85%)

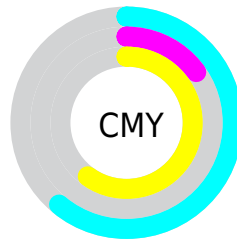


Cyan (54%)

Magenta (0%)

Yellow (53%)

Black (15%)



Cyan (61%)

Magenta (15%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8114, 0.3037, 0.4993 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 53.8114, 0.3037, 0.4993 by changing the saturation by 10% instead.




 53.8114, 0.3037,  
0.4993


 53.8114, 0.3037,  
0.4993


401.3904, 0.3127,  
0.4101

 38.4509, 0.2999,  
0.5222


 95.7973, 0.3081,  
0.4662

 26.3328, 0.2940,  
0.5517


 123.1914, 0.3095,  
0.4540

 17.0728, 0.2845,  
0.5906


 155.3656, 0.3104,  
0.4437

 10.2864, 0.2684,  
0.6432


 192.7042, 0.3112,  
0.4349

 5.5893, 0.2455,  
0.7344

235.5916, 0.3117,  
0.4274

 2.5970, 0.1770,  
0.8230

284.4121, 0.3121,

 0.9251, 0.0000,

0.4209

1.0000

339.5503, 0.3125,  
0.4151

0.0000, 0.0000,  
0.0000

53.8114, 0.3037,  
0.4993

53.8114, 0.3037,  
0.4993

52.3596, 0.3022,  
0.5326

55.7103, 0.3054,  
0.4639

51.3123, 0.3010,  
0.5612

58.0814, 0.3072,  
0.4288

50.6304, 0.3002,  
0.5824

60.9560, 0.3090,  
0.3957


50.2636, 0.2999,  
0.5951


64.3608, 0.3106,  
0.3656

50.1488, 0.2998,  
0.5992

68.3205, 0.3121,  
0.3389

 72.8582, 0.3135,  
0.3157

 77.9961, 0.3147,  
0.2956

 78.6209, 0.3144,  
0.2930

# Harmonies

## Analogous

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



53.8114, 0.3929, 0.5014



53.8114, 0.3037, 0.4993



53.8114, 0.2217, 0.4186

# Triad

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



53.8114, 0.3037, 0.4993



53.8114, 0.1687, 0.1947



53.8114, 0.4782, 0.3153

# Complementary

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



53.8114, 0.3037, 0.4993



28.9941, 0.3207, 0.2027

# 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.



53.8114, 0.3969, 0.2560



53.8114, 0.3037, 0.4993



53.8114, 0.2164, 0.1899

# Square

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



53.8114, 0.3037, 0.4993



53.8114, 0.1529, 0.2319



53.8114, 0.2968, 0.2117



53.8114, 0.5023, 0.3814



# Rectangle

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



53.8114, 0.3037, 0.4993



53.8114, 0.1826, 0.3445



53.8114, 0.2968, 0.2117



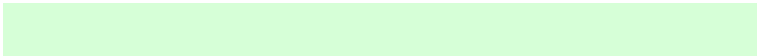
53.8114, 0.4561, 0.2944

# Sweetspot

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



53.8137, 0.3037, 0.4993



90.7458, 0.3103, 0.3715



65.9673, 0.3906, 0.4578



19.2009, 0.3100, 0.3776



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.



53.8137, 0.3037, 0.4993



74.4283, 0.3020, 0.5372



55.3587, 0.2741, 0.4146



14.6097, 0.3114, 0.3528



30.0470, 0.2997, 0.5989



1.9478, 0.2987, 0.5955



# Inverse Universe

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



28.9941, 0.3207, 0.2027



35.4929, 0.3222, 0.1831



26.5372, 0.3891, 0.2599



13.2710, 0.3140, 0.3063



11.8535, 0.3250, 0.1564

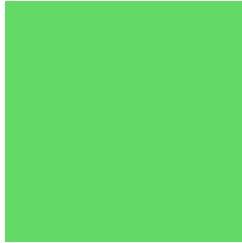


0.7691, 0.3243, 0.1560



# Previews

## White Background



This preview shows how the Yxy color 53.8114, 0.3037, 0.4993 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 53.8114, 0.3037, 0.4993 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 53.8114, 0.3037, 0.4993**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8114, 0.3037, 0.4993.



This preview shows how white text looks on a background with the Yxy color 53.8114, 0.3037, 0.4993.

# 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

53.8114, 0.3037, 0.4993

### Protanopia

53.0942, 0.4047, 0.4428

### Deuteranopia

52.9211, 0.4173, 0.4094



## Tritanopia

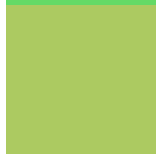
53.4486, 0.2511, 0.3066

# Trichromacy



## Original Color

53.8114, 0.3037, 0.4993



## Protanomaly

51.8748, 0.3618, 0.4658



## Deuteranomaly

50.8769, 0.3688, 0.4420



## Tritanomaly

53.0894, 0.2708, 0.3743

# Monochromacy



## Original Color

53.8114, 0.3037, 0.4993



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

43.6047, 0.3098, 0.3909

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8114, 0.3037, 0.4993 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(100, 218, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 218, 102)  
}
```

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(100, 218, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 218, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8114, 0.3037, 0.4993 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(100, 218, 102) }
```

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

```
.border{ border-color:rgb(100, 218, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 218, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 218, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 218, 102); box-shadow:4px 4px 4px 4px rgb(100, 218, 102) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8114, 0.3037, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 218, 102) }
```

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

```
.background{ background-color: rgb(100,  
218, 102) }
```

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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