

Converting Colors

Yxy(53.2048, 0.2872, 0.4692)

Have a look what the booklet for
Yxy(53.2048, 0.2872, 0.4692)
contains.

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Color

Yxy(53.2048, 0.2872, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	59D97C
RGB	89, 217, 124
RGB Percent	35%, 85%, 49%
CMY	0.6512, 0.1490, 0.5137
CMYK	0.59, 0.00, 0.43, 0.15
HSL	136°, 63%, 60%
HSV	136°, 59%, 85%
XYZ	32.5670, 53.2048, 27.6230
YIQ	168.1260, -46.4350, -56.0590

Conversions

Conversions Part 2

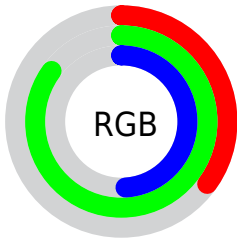
Format	Color
RYB	89, 190, 217
Decimal	5888380
CIELab	78.00, -55.28, 35.45
CIELCh	78, 65.668, 147.326
Yxy	53.2048, 0.2872, 0.4692
Android (android.graphics.Color)	4284078460 (0xFF59D97C)
YUV	168.1260, -21.7541, -69.3935
Hunter-Lab	72.9416, -47.9512, 28.6060

Details

The Yxy color **53.2048, 0.2872, 0.4692** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.2642, 0.3600, 0.2239**, and the grayscale version is **39.3433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1239, 0.2925, 0.4222**, and **25.9708, 0.2762, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **51.9204, 0.2858, 0.4969**, and if you desaturate by 10%, it is **54.8736, 0.2899, 0.4414**.

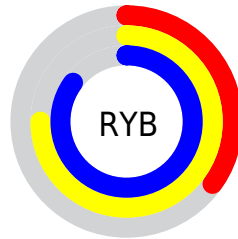
Distribution



Red (35%)

Green (85%)

Blue (49%)



Red (35%)

Yellow (75%)

Blue (85%)

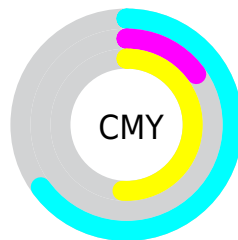


Cyan (59%)

Magenta (0%)

Yellow (43%)

Black (15%)



Cyan (65%)

Magenta (15%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2048, 0.2872, 0.4692 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 53.2048, 0.2872, 0.4692 by changing the saturation by 10% instead.


 53.2048, 0.2872,
0.4692

 53.2048, 0.2872,
0.4692


399.0704, 0.3027,
0.3955


 37.9663, 0.2824,
0.4885


 94.9057, 0.2935,
0.4417

 25.9565, 0.2758,
0.5136


 122.1368, 0.2956,
0.4316

 16.7911, 0.2661,
0.5475


 154.1343, 0.2974,
0.4231

 10.0857, 0.2508,
0.5953

 191.2825, 0.2988,
0.4159

 5.4558, 0.2250,
0.6657

233.9658, 0.3000,
0.4097

 2.5171, 0.1778,
0.8222

282.5686, 0.3010,

 0.8852, 0.0000,

0.4044

1.0000

337.4753, 0.3019,
0.3997

0.0000, 0.0000,
0.0000

53.2048, 0.2872,
0.4692

53.2048, 0.2872,
0.4692

51.9204, 0.2858,
0.4969

54.8736, 0.2899,
0.4414

50.9820, 0.2860,
0.5231

56.9483, 0.2936,
0.4145

50.3547, 0.2877,
0.5464

59.4564, 0.2981,
0.3893

49.9808, 0.2906,
0.5656

62.4212, 0.3030,
0.3663

49.9505, 0.2909,
0.5673

65.8642, 0.3081,
0.3456

■ 69.8056, 0.3132,
0.3273

■ 74.2644, 0.3182,
0.3112

■ 77.7979, 0.3177,
0.2966

■ 78.1104, 0.3145,
0.2920

Harmonies

Analogous

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



53.2048, 0.3696, 0.4904



53.2048, 0.2872, 0.4692



53.2048, 0.2162, 0.3864

Triad

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



53.2048, 0.2872, 0.4692



53.2048, 0.1878, 0.2021



53.2048, 0.4727, 0.3322

Complementary

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



53.2048, 0.2872, 0.4692



25.2642, 0.3600, 0.2239

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.



53.2048, 0.4093, 0.2745



53.2048, 0.2872, 0.4692



53.2048, 0.2397, 0.2033

Square

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



53.2048, 0.2872, 0.4692



53.2048, 0.1661, 0.2300



53.2048, 0.3195, 0.2290



53.2048, 0.4824, 0.3946

Rectangle

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



53.2048, 0.2872, 0.4692



53.2048, 0.1848, 0.3219



53.2048, 0.3195, 0.2290



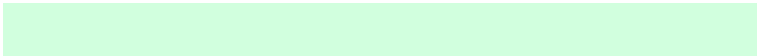
53.2048, 0.4568, 0.3121

Sweetspot

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



53.2070, 0.2872, 0.4692



90.3459, 0.3034, 0.3644



60.4008, 0.3684, 0.4825



19.0505, 0.3019, 0.3709



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.



53.2070, 0.2872, 0.4692



74.4169, 0.2857, 0.5040



55.3449, 0.2544, 0.3714



14.6645, 0.3079, 0.3464



30.2498, 0.2902, 0.5649



1.9741, 0.2812, 0.5322

Inverse Universe

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



25.2642, 0.3600, 0.2239



30.5796, 0.3741, 0.2089



23.2166, 0.4510, 0.2949



13.2108, 0.3179, 0.3122



10.4344, 0.4044, 0.2001



0.6902, 0.3877, 0.1910

Previews

White Background



This preview shows how the Yxy color 53.2048, 0.2872, 0.4692 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 53.2048, 0.2872, 0.4692 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 53.2048, 0.2872, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 53.2048, 0.2872, 0.4692.

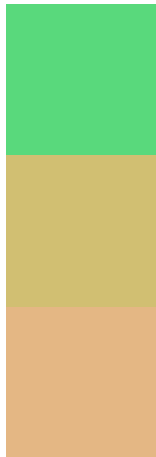


This preview shows how white text looks on a background with the Yxy color 53.2048, 0.2872, 0.4692.

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

53.2048, 0.2872, 0.4692

Protanopia

52.0318, 0.3886, 0.4216

Deuteranopia

52.0269, 0.3956, 0.3877



Tritanopia

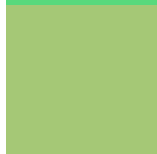
53.1295, 0.2458, 0.3076

Trichromacy



Original Color

53.2048, 0.2872, 0.4692



Protanomaly

50.6159, 0.3433, 0.4406



Deuteranomaly

49.9623, 0.3473, 0.4171



Tritanomaly

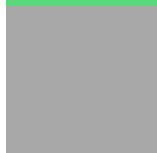
52.7025, 0.2607, 0.3630

Monochromacy



Original Color

53.2048, 0.2872, 0.4692



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.8738, 0.2999, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2048, 0.2872, 0.4692 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(89, 217, 124)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 124)  
}
```

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(89, 217, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 124) }
```

Border

The CSS property to change the border of an element to Yxy 53.2048, 0.2872, 0.4692 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(89, 217, 124) }
```

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

```
.border{ border-color:rgb(89, 217, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 217, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 124);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2048, 0.2872, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 124) }
```

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

```
.background{ background-color: rgb(89, 217,  
124) }
```

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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