

Converting Colors

Yxy(53.8844, 0.2972, 0.4515)

Have a look what the booklet for
Yxy(53.8844, 0.2972, 0.4515)
contains.

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Color

Yxy(53.8844, 0.2972, 0.4515)

Conversions

Conversions Part 1

Format	Color
Hex	73D783
RGB	115, 215, 131
RGB Percent	45%, 84%, 51%
CMY	0.5489, 0.1569, 0.4864
CMYK	0.46, 0.00, 0.39, 0.16
HSL	130°, 56%, 65%
HSV	130°, 46%, 84%
XYZ	35.4694, 53.8844, 29.9915
YIQ	175.5240, -32.6360, -47.3240

Conversions

Conversions Part 2

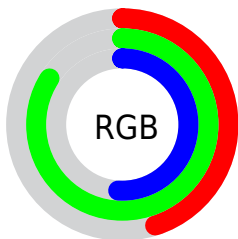
Format	Color
RYB	115, 201, 215
Decimal	7591811
CIELab	78.39, -46.89, 32.62
CIELCh	78, 57.124, 145.178
Yxy	53.8844, 0.2972, 0.4515
Android (android.graphics.Color)	4285781891 (0xFF73D783)
YUV	175.5240, -21.9503, -53.0795
Hunter-Lab	73.4060, -42.2102, 27.1601

Details

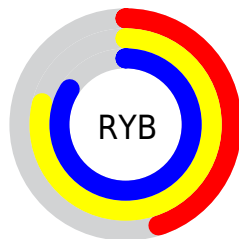
The Yxy color **53.8844, 0.2972, 0.4515** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **30.8451, 0.3344, 0.2319**, and the grayscale version is **43.2889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7934, 0.3014, 0.4104**, and **26.2453, 0.2897, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **52.1465, 0.2949, 0.4830**, and if you desaturate by 10%, it is **56.0522, 0.3001, 0.4209**.

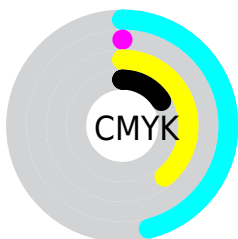
Distribution



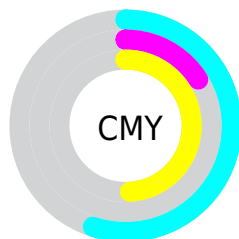
- Red (45%)
- Green (84%)
- Blue (51%)



- Red (45%)
- Yellow (79%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)





- Cyan (55%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8844, 0.2972, 0.4515 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 53.8844, 0.2972, 0.4515 by changing the saturation by 10% instead.

 53.8844, 0.2972,
0.4515


 53.8844, 0.2972,
0.4515


401.6690, 0.3071,
0.3878


 38.5092, 0.2940,
0.4680


 95.9045, 0.3013,
0.4278

 26.3782, 0.2895,
0.4895


 123.3182, 0.3027,
0.4191

 17.1068, 0.2828,
0.5184


 155.5136, 0.3038,
0.4118

 10.3106, 0.2721,
0.5591

192.8750, 0.3047,
0.4055

 5.6054, 0.2533,
0.6193

235.7869, 0.3055,
0.4002

 2.6067, 0.2327,
0.7673

284.6336, 0.3061,

 0.9300, 0.0000,

0.3955

1.0000

339.7995, 0.3066,
0.3914

■ 0.0000, 0.0000,
0.0000

■ 53.8844, 0.2972,
0.4515

■ 53.8844, 0.2972,
0.4515

■ 52.1465, 0.2949,
0.4830

■ 56.0522, 0.3001,
0.4209

■ 50.8034, 0.2936,
0.5137

■ 58.6688, 0.3034,
0.3921

■ 49.8253, 0.2933,
0.5418


■ 61.7604, 0.3069,
0.3660

■ 49.1753, 0.2941,
0.5652

■ 65.3490, 0.3105,
0.3426

■ 48.8071, 0.2959,
0.5826

■ 69.4551, 0.3139,
0.3221

 48.7182, 0.2965,
0.5873

 74.0983, 0.3172,
0.3042

 77.0812, 0.3145,
0.2900

Harmonies

Analogous

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



53.8844, 0.3699, 0.4682



53.8844, 0.2972, 0.4515



53.8844, 0.2326, 0.3846

Triad

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



53.8844, 0.2972, 0.4515



53.8844, 0.1996, 0.2176



53.8844, 0.4489, 0.3299

Complementary

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



53.8844, 0.2972, 0.4515



30.8451, 0.3344, 0.2319

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.



53.8844, 0.3915, 0.2781



53.8844, 0.2972, 0.4515



53.8844, 0.2447, 0.2164

Square

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



53.8844, 0.2972, 0.4515



53.8844, 0.1819, 0.2459



53.8844, 0.3138, 0.2380



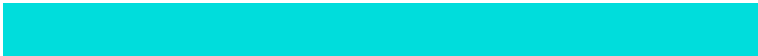
53.8844, 0.4624, 0.3860

Rectangle

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



53.8844, 0.2972, 0.4515



53.8844, 0.2026, 0.3299



53.8844, 0.3138, 0.2380



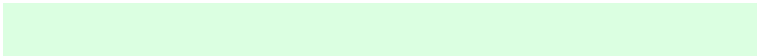
53.8844, 0.4339, 0.3118

Sweetspot

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



53.8866, 0.2972, 0.4515



92.0622, 0.3078, 0.3602



62.1202, 0.3688, 0.4474



19.4718, 0.3070, 0.3655



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.



53.8866, 0.2972, 0.4515



76.7258, 0.2949, 0.4831



55.5447, 0.2695, 0.3779



13.9279, 0.3094, 0.3492



29.1493, 0.2960, 0.5855



1.7684, 0.2881, 0.5571

Inverse Universe

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



30.8451, 0.3344, 0.2319



38.7329, 0.3404, 0.2138



28.9210, 0.3930, 0.2865



12.5971, 0.3162, 0.3096



10.6434, 0.3655, 0.1787



0.6513, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 53.8844, 0.2972, 0.4515 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 53.8844, 0.2972, 0.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

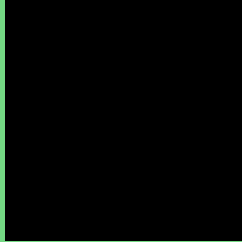
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8844, 0.2972, 0.4515

Background



This preview shows how black text looks on a background with the Yxy color 53.8844, 0.2972, 0.4515.



This preview shows how white text looks on a background with the Yxy color 53.8844, 0.2972, 0.4515.

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

53.8844, 0.2972, 0.4515

Protanopia

53.2467, 0.3826, 0.4143

Deuteranopia

53.1909, 0.3906, 0.3830



Tritanopia

53.5571, 0.2557, 0.3068

Trichromacy



Original Color

53.8844, 0.2972, 0.4515



Protanomaly

52.3679, 0.3467, 0.4295



Deuteranomaly

51.9205, 0.3522, 0.4077



Tritanomaly

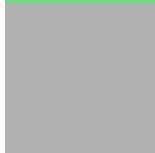
53.3318, 0.2710, 0.3565

Monochromacy



Original Color

53.8844, 0.2972, 0.4515



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.2350, 0.3059, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8844, 0.2972, 0.4515 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(115, 215, 131)` looks like.

```
.text, #text, p{  
    color:rgb(115, 215, 131)  
}
```

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(115, 215, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 215, 131) }
```

Border

The CSS property to change the border of an element to Yxy 53.8844, 0.2972, 0.4515 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(115, 215, 131) }
```

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

```
.border{ border-color:rgb(115, 215, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 215, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 215, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 215, 131); box-shadow:4px 4px 4px 4px rgb(115, 215, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8844, 0.2972, 0.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 215, 131) }
```

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

```
.background{ background-color: rgb(115,  
215, 131) }
```

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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