

Converting Colors

Yxy(53.5966, 0.2937, 0.4729)

Have a look what the booklet for
Yxy(53.5966, 0.2937, 0.4729)
contains.

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Color

Yxy(53.5784, 0.2937, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	62D978
RGB	98, 217, 120
RGB Percent	38%, 85%, 47%
CMY	0.6157, 0.1490, 0.5294
CMYK	0.55, 0.00, 0.45, 0.15
HSL	131°, 61%, 62%
HSV	131°, 55%, 85%
XYZ	33.2403, 53.5784, 26.3591
YIQ	170.3610, -39.7870, -55.3950

Conversions

Conversions Part 2

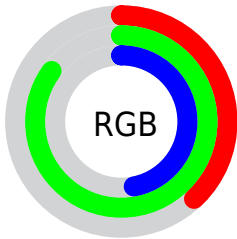
Format	Color
RYB	98, 198, 217
Decimal	6478200
CIELab	78.22, -53.83, 37.79
CIELCh	78, 65.769, 144.928
Yxy	53.5784, 0.2937, 0.4734
Android (android.graphics.Color)	4284668280 (0xFF62D978)
YUV	170.3610, -24.8280, -63.4606
Hunter-Lab	73.1973, -47.0348, 29.8871

Details

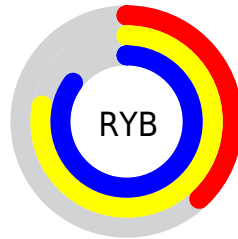
The Yxy color **53.5784, 0.2937, 0.4734** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.4290, 0.3429, 0.2195**, and the grayscale version is **40.5309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7441, 0.2987, 0.4261**, and **26.1663, 0.2837, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **52.1421, 0.2921, 0.5038**, and if you desaturate by 10%, it is **55.4256, 0.2962, 0.4428**.

Distribution



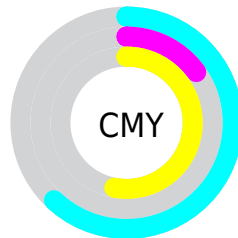
- Red (38%)
- Green (85%)
- Blue (47%)



- Red (38%)
- Yellow (78%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (45%)
- Black (15%)




- Cyan (62%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5784, 0.2937, 0.4734 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 53.5784, 0.2937, 0.4734 by changing the saturation by 10% instead.


 53.5784, 0.2937,
0.4734


 53.5784, 0.2937,
0.4734


400.5003, 0.3062,
0.3977


 38.2647, 0.2896,
0.4931


 95.4549, 0.2990,
0.4452


 26.1882, 0.2837,
0.5187

 122.7866, 0.3007,
0.4348

 16.9645, 0.2748,
0.5531

 154.8930, 0.3021,
0.4261

 10.2092, 0.2605,
0.6011

 192.1585, 0.3033,
0.4187

 5.5379, 0.2360,
0.6719

234.9676, 0.3042,
0.4123

 2.5662, 0.1902,
0.8098

283.7047, 0.3050,

 0.9097, 0.0000,

0.4068

1.0000

338.7541, 0.3056,
0.4020

■ 0.0000, 0.0000,
0.0000

■ 53.5784, 0.2937,
0.4734

■ 53.5784, 0.2937,
0.4734

■ 52.1421, 0.2921,
0.5038

■ 55.4256, 0.2962,
0.4428

■ 51.0786, 0.2917,
0.5322

■ 57.7053, 0.2995,
0.4133

■ 50.3538, 0.2925,
0.5568


■ 60.4451, 0.3031,
0.3858


■ 49.9239, 0.2944,
0.5761


■ 63.6687, 0.3070,
0.3609

■ 49.7815, 0.2955,
0.5838

■ 67.3981, 0.3109,
0.3388

 71.6539, 0.3147,
0.3193

 76.4555, 0.3183,
0.3023

 78.1075, 0.3145,
0.2920

Harmonies

Analogous

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



53.5784, 0.3760, 0.4891



53.5784, 0.2937, 0.4734



53.5784, 0.2210, 0.3942

Triad

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



53.5784, 0.2937, 0.4734



53.5784, 0.1850, 0.2033



53.5784, 0.4693, 0.3273

Complementary

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



53.5784, 0.2937, 0.4734



27.4290, 0.3429, 0.2195

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.



53.5784, 0.4025, 0.2704



53.5784, 0.2937, 0.4734



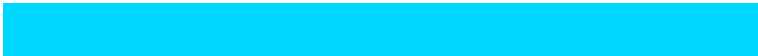
53.5784, 0.2345, 0.2024

Square

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



53.5784, 0.2937, 0.4734



53.5784, 0.1657, 0.2337



53.5784, 0.3124, 0.2262



53.5784, 0.4836, 0.3896

Rectangle

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



53.5784, 0.2937, 0.4734



53.5784, 0.1878, 0.3293



53.5784, 0.3124, 0.2262



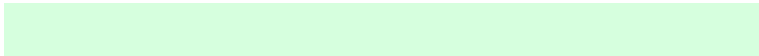
53.5784, 0.4520, 0.3074

Sweetspot

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



53.5806, 0.2937, 0.4734



91.1064, 0.3065, 0.3640



62.1365, 0.3737, 0.4684



19.2855, 0.3057, 0.3690



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.



53.5806, 0.2937, 0.4734



74.8354, 0.2919, 0.5090



55.4921, 0.2621, 0.3826



14.6454, 0.3091, 0.3486



30.1454, 0.2950, 0.5818



1.9648, 0.2869, 0.5529

Inverse Universe

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



27.4290, 0.3429, 0.2195



33.4037, 0.3513, 0.2021



25.2573, 0.4215, 0.2846



13.2314, 0.3166, 0.3101



10.8633, 0.3737, 0.1832



0.7147, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 53.5784, 0.2937, 0.4734 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 53.5784, 0.2937, 0.4734 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 53.5784, 0.2937, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 53.5784, 0.2937, 0.4734.



This preview shows how white text looks on a background with the Yxy color 53.5784, 0.2937, 0.4734.

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

53.5784, 0.2937, 0.4734

Protanopia

52.6959, 0.3920, 0.4252

Deuteranopia

52.6625, 0.4003, 0.3927



Tritanopia

53.1475, 0.2490, 0.3065

Trichromacy



Original Color

53.5784, 0.2937, 0.4734



Protanomaly

51.5342, 0.3499, 0.4452



Deuteranomaly

50.9056, 0.3543, 0.4221



Tritanomaly

52.6811, 0.2651, 0.3628

Monochromacy



Original Color

53.5784, 0.2937, 0.4734



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.7369, 0.3039, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5784, 0.2937, 0.4734 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(98, 217, 120)` looks like.

```
.text, #text, p{  
    color:rgb(98, 217, 120)  
}
```

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(98, 217, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 217, 120) }
```

Border

The CSS property to change the border of an element to Yxy 53.5784, 0.2937, 0.4734 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(98, 217, 120) }
```

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

```
.border{ border-color:rgb(98, 217, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 217, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 217, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 217, 120); box-shadow:4px 4px 4px 4px rgb(98, 217, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5784, 0.2937, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 217, 120) }
```

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

```
.background{ background-color: rgb(98, 217,  
120) }
```

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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