

Converting Colors

Yxy(53.1231, 0.2904, 0.4539)

Have a look what the booklet for
Yxy(53.1231, 0.2904, 0.4539)
contains.

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Color

Yxy(53.1231, 0.2904, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	67D783
RGB	103, 215, 131
RGB Percent	40%, 84%, 51%
CMY	0.5962, 0.1568, 0.4864
CMYK	0.52, 0.00, 0.39, 0.16
HSL	135°, 58%, 62%
HSV	135°, 52%, 84%
XYZ	33.9875, 53.1231, 29.9264
YIQ	171.9360, -39.7880, -49.8680

Conversions

Conversions Part 2

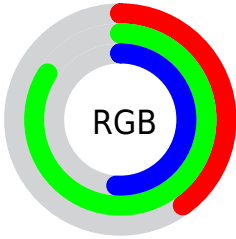
Format	Color
RYB	103, 193, 215
Decimal	6805379
CIELab	77.95, -50.05, 31.94
CIELCh	78, 59.378, 147.455
Yxy	53.1231, 0.2904, 0.4539
Android (android.graphics.Color)	4284995459 (0xFF67D783)
YUV	171.9360, -20.1814, -60.4569
Hunter-Lab	72.8856, -44.3128, 26.6758

Details

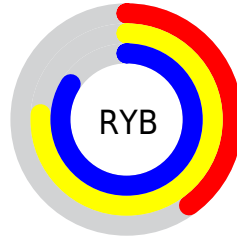
The Yxy color **53.1231, 0.2904, 0.4539** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **27.7332, 0.3495, 0.2316**, and the grayscale version is **41.3375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5998, 0.2953, 0.4119**, and **25.8068, 0.2808, 0.4936** is the 20% darker color. If you saturate the color by 10%, you get **51.6098, 0.2882, 0.4826**, and if you desaturate by 10%, it is **55.0357, 0.2937, 0.4258**.

Distribution



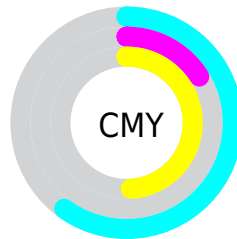
- Red (40%)
- Green (84%)
- Blue (51%)



- Red (40%)
- Yellow (76%)
- Blue (84%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)





- Cyan (60%)
- Magenta (16%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1231, 0.2904, 0.4539 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 53.1231, 0.2904, 0.4539 by changing the saturation by 10% instead.


 53.1231, 0.2904,
0.4539


 53.1231, 0.2904,
0.4539


398.7572, 0.3037,
0.3886


 37.9010, 0.2864,
0.4709

 94.7855, 0.2958,
0.4296

 25.9059, 0.2808,
0.4932


 121.9946, 0.2976,
0.4206

 16.7533, 0.2726,
0.5232

 153.9682, 0.2991,
0.4131

 10.0587, 0.2599,
0.5658

 191.0907, 0.3004,
0.4067

 5.4379, 0.2382,
0.6292

233.7464, 0.3014,
0.4012

 2.5064, 0.2101,
0.7899

282.3198, 0.3023,

 0.8799, 0.0000,

0.3965

1.0000

337.1953, 0.3031,
0.3923

■ 0.0000, 0.0000,
0.0000

■ 53.1231, 0.2904,
0.4539

■ 53.1231, 0.2904,
0.4539

■ 51.6098, 0.2882,
0.4826

■ 55.0357, 0.2937,
0.4258

■ 50.4604, 0.2874,
0.5105

■ 57.3668, 0.2977,
0.3991

■ 49.6443, 0.2880,
0.5362

■ 60.1422, 0.3022,
0.3746

■ 49.1226, 0.2901,
0.5581

■ 63.3837, 0.3069,
0.3525

■ 48.8686, 0.2923,
0.5722

■ 67.1117, 0.3117,
0.3328

■ 71.3453, 0.3164,
0.3155

■ 76.1025, 0.3210,
0.3005

■ 77.0848, 0.3145,
0.2901

Harmonies

Analogous

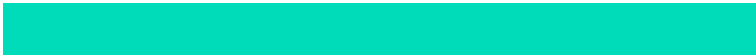
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1231, 0.3660, 0.4751



53.1231, 0.2904, 0.4539



53.1231, 0.2249, 0.3806

Triad

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



53.1231, 0.2904, 0.4539



53.1231, 0.1979, 0.2124



53.1231, 0.4578, 0.3337

Complementary

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



53.1231, 0.2904, 0.4539



27.7332, 0.3495, 0.2316

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.



53.1231, 0.4006, 0.2797



53.1231, 0.2904, 0.4539



53.1231, 0.2465, 0.2132

Square

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



53.1231, 0.2904, 0.4539



53.1231, 0.1775, 0.2389



53.1231, 0.3198, 0.2372



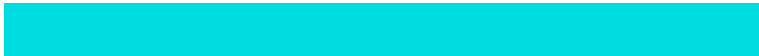
53.1231, 0.4676, 0.3917

Rectangle

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



53.1231, 0.2904, 0.4539



53.1231, 0.1955, 0.3232



53.1231, 0.3198, 0.2372



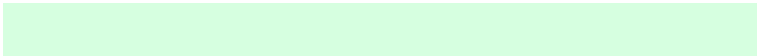
53.1231, 0.4433, 0.3149

Sweetspot

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



53.1253, 0.2904, 0.4539



91.2496, 0.3050, 0.3612



60.3856, 0.3668, 0.4643



19.3193, 0.3040, 0.3658



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.



53.1253, 0.2904, 0.4539



75.6534, 0.2880, 0.4869



54.9956, 0.2609, 0.3711



13.9464, 0.3082, 0.3470



29.2414, 0.2916, 0.5698



1.7771, 0.2821, 0.5355

Inverse Universe

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



27.7332, 0.3495, 0.2316



34.2265, 0.3606, 0.2146



25.8343, 0.4211, 0.2932



12.5772, 0.3176, 0.3117



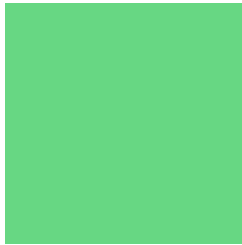
10.2036, 0.3957, 0.1954



0.6283, 0.3801, 0.1867

Previews

White Background



This preview shows how the Yxy color 53.1231, 0.2904, 0.4539 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 53.1231, 0.2904, 0.4539 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 53.1231, 0.2904, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 53.1231, 0.2904, 0.4539.

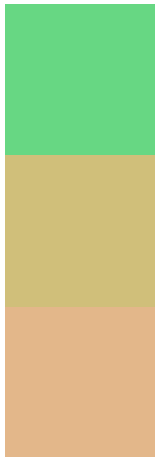


This preview shows how white text looks on a background with the Yxy color 53.1231, 0.2904, 0.4539.

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

53.1231, 0.2904, 0.4539

Protanopia

52.0766, 0.3817, 0.4128

Deuteranopia

52.0328, 0.3897, 0.3811



Tritanopia

52.7662, 0.2503, 0.3064

Trichromacy



Original Color

53.1231, 0.2904, 0.4539



Protanomaly

51.3353, 0.3428, 0.4299



Deuteranomaly

50.7246, 0.3473, 0.4079



Tritanomaly

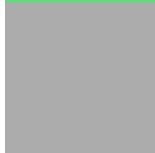
52.5245, 0.2648, 0.3569

Monochromacy



Original Color

53.1231, 0.2904, 0.4539



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.6038, 0.3026, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1231, 0.2904, 0.4539 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(103, 215, 131)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 215, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 215, 131) }
```

Border

The CSS property to change the border of an element to Yxy 53.1231, 0.2904, 0.4539 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(103, 215, 131) }
```

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

```
.border{ border-color:rgb(103, 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(103, 215, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 215, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 215, 131);  
box-shadow:4px 4px 4px 4px rgb(103, 215,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1231, 0.2904, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 215, 131) }
```

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

```
.background{ background-color: rgb(103,  
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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