

Converting Colors

Yxy(53.4104, 0.3009, 0.4404)

Have a look what the booklet for
Yxy(53.4104, 0.3009, 0.4404)
contains.

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Color

Yxy(53.1962, 0.3010, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	7DD487
RGB	125, 212, 135
RGB Percent	49%, 83%, 53%
CMY	0.5098, 0.1686, 0.4706
CMYK	0.41, 0.00, 0.36, 0.17
HSL	127°, 50%, 66%
HSV	127°, 41%, 83%
XYZ	36.3745, 53.1962, 31.2748
YIQ	177.2090, -27.1350, -42.3910

Conversions

Conversions Part 2

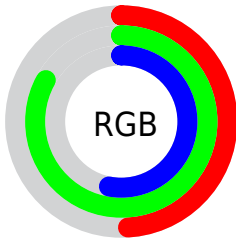
Format	Color
RYB	125, 203, 212
Decimal	8246407
CIELab	77.99, -42.12, 30.09
CIELCh	78, 51.765, 144.455
Yxy	53.1962, 0.3010, 0.4402
Android (android.graphics.Color)	4286436487 (0xFF7DD487)
YUV	177.2090, -20.8090, -45.7873
Hunter-Lab	72.9357, -38.6160, 25.6315

Details

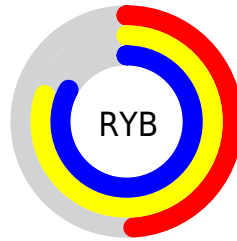
The Yxy color **53.1962, 0.3010, 0.4402** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.9293, 0.3273, 0.2387**, and the grayscale version is **44.2056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0179, 0.3045, 0.4045**, and **26.0561, 0.2953, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **51.2867, 0.2987, 0.4728**, and if you desaturate by 10%, it is **55.5438, 0.3037, 0.4090**.

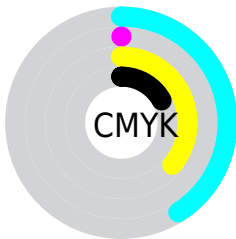
Distribution



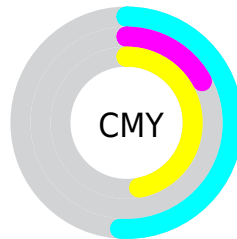
- Red (49%)
- Green (83%)
- Blue (53%)



- Red (49%)
- Yellow (80%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)





- Cyan (51%)
- Magenta (17%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1962, 0.3010, 0.4402 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 53.1962, 0.3010, 0.4402 by changing the saturation by 10% instead.


 53.1962, 0.3010,
0.4402


 53.1962, 0.3010,
0.4402


399.0374, 0.3087,
0.3825


 37.9594, 0.2985,
0.4551


 94.8930, 0.3042,
0.4188

 25.9512, 0.2949,
0.4746


 122.1218, 0.3053,
0.4109

 16.7871, 0.2895,
0.5008


 154.1168, 0.3062,
0.4043

 10.0828, 0.2808,
0.5377

191.2623, 0.3068,
0.3986

 5.4539, 0.2653,
0.5930

233.9427, 0.3074,
0.3937

 2.5160, 0.2511,
0.7302

282.5424, 0.3079,

 0.8846, 0.0000,

0.3895

1.0000

337.4459, 0.3083,
0.3858

0.0000, 0.0000,
0.0000

53.1962, 0.3010,
0.4402

53.1962, 0.3010,
0.4402

51.2867, 0.2987,
0.4728

55.5438, 0.3037,
0.4090

49.7819, 0.2969,
0.5052

58.3472, 0.3066,
0.3801

48.6542, 0.2960,
0.5354

61.6314, 0.3096,
0.3542

47.8698, 0.2960,
0.5613


65.4175, 0.3124,
0.3312

47.3888, 0.2968,
0.5808

69.7253, 0.3152,
0.3112

 47.1564, 0.2979,
0.5924

 74.5736, 0.3177,
0.2938

 75.5688, 0.3147,
0.2871

Harmonies

Analogous

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



53.1962, 0.3677, 0.4554



53.1962, 0.3010, 0.4402



53.1962, 0.2409, 0.3812

Triad

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



53.1962, 0.3010, 0.4402



53.1962, 0.2077, 0.2268



53.1962, 0.4358, 0.3296

Complementary

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



53.1962, 0.3010, 0.4402



32.9293, 0.3273, 0.2387

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.



53.1962, 0.3830, 0.2814



53.1962, 0.3010, 0.4402



53.1962, 0.2493, 0.2247

Square

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



53.1962, 0.3010, 0.4402



53.1962, 0.1918, 0.2543



53.1962, 0.3124, 0.2443



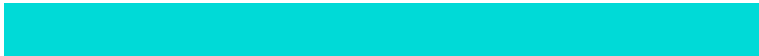
53.1962, 0.4498, 0.3817

Rectangle

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



53.1962, 0.3010, 0.4402



53.1962, 0.2125, 0.3322



53.1962, 0.3124, 0.2443



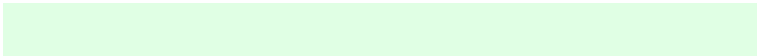
53.1962, 0.4218, 0.3128

Sweetspot

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



53.1984, 0.3010, 0.4402



93.0283, 0.3092, 0.3568



61.3087, 0.3665, 0.4325



19.7641, 0.3089, 0.3601



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.



53.1984, 0.3010, 0.4402



78.2963, 0.2990, 0.4678



54.6313, 0.2761, 0.3775



13.9190, 0.3100, 0.3503



29.1185, 0.2975, 0.5910



1.7642, 0.2912, 0.5683

Inverse Universe

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



32.9293, 0.3273, 0.2387



43.5672, 0.3310, 0.2217



31.1964, 0.3743, 0.2861



12.6070, 0.3155, 0.3086



10.8819, 0.3520, 0.1713



0.6635, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 53.1962, 0.3010, 0.4402 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 53.1962, 0.3010, 0.4402 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 53.1962, 0.3010, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 53.1962, 0.3010, 0.4402.

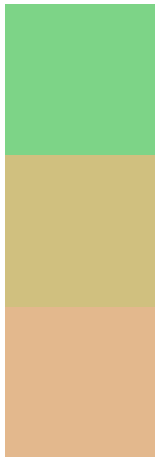


This preview shows how white text looks on a background with the Yxy color 53.1962, 0.3010, 0.4402.

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

53.1962, 0.3010, 0.4402

Protanopia

52.6415, 0.3774, 0.4081

Deuteranopia

52.5350, 0.3867, 0.3788



Tritanopia

53.0538, 0.2609, 0.3081

Trichromacy



Original Color

53.1962, 0.3010, 0.4402



Protanomaly

51.9235, 0.3463, 0.4200



Deuteranomaly

51.3948, 0.3515, 0.3998



Tritanomaly

53.0077, 0.2755, 0.3535

Monochromacy



Original Color

53.1962, 0.3010, 0.4402



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.7046, 0.3077, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1962, 0.3010, 0.4402 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(125, 212, 135)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 135)  
}
```

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(125, 212, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 135) }
```

Border

The CSS property to change the border of an element to Yxy 53.1962, 0.3010, 0.4402 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(125, 212, 135) }
```

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

```
.border{ border-color:rgb(125, 212, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 135);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1962, 0.3010, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 135) }
```

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

```
.background{ background-color: rgb(125,  
212, 135) }
```

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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