

Converting Colors

$Y_{xy}(56.6870, 0.4133, 0.4550)$

Have a look what the booklet for
Yxy(56.6870, 0.4133, 0.4550)
contains.

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Color

Yxy(56.6870, 0.4133, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	DCC753
RGB	220, 199, 83
RGB Percent	86%, 78%, 33%
CMY	0.1374, 0.2195, 0.6746
CMYK	0.00, 0.10, 0.62, 0.14
HSL	51°, 66%, 59%
HSV	51°, 62%, 86%
XYZ	51.4917, 56.6870, 16.4081
YIQ	192.0550, 49.7520, -31.6240

Conversions

Conversions Part 2

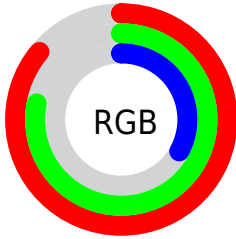
Format	Color
RYB	108, 220, 83
Decimal	14468947
CIELab	80.00, -6.20, 59.09
CIELCh	80, 59.418, 95.994
Yxy	56.6870, 0.4133, 0.4550
Android (android.graphics.Color)	4292659027 (0xFFDCC753)
YUV	192.0550, -53.7641, 24.5078
Hunter-Lab	75.2908, -9.6818, 39.7825

Details

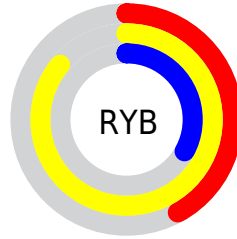
The Yxy color **56.6870, 0.4133, 0.4550** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **16.8913, 0.1981, 0.1562**, and the grayscale version is **53.0429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **28.0068, 0.4327, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **54.8711, 0.4265, 0.4680**, and if you desaturate by 10%, it is **58.6502, 0.3981, 0.4384**.

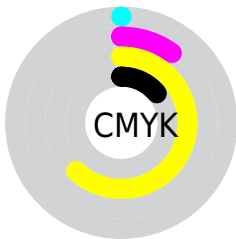
Distribution



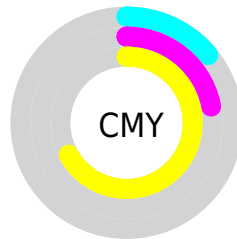
- Red (86%)
- Green (78%)
- Blue (33%)



- Red (42%)
- Yellow (86%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (62%)
- Black (14%)




- Cyan (14%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6870, 0.4133, 0.4550 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 56.6870, 0.4133, 0.4550 by changing the saturation by 10% instead.

 56.6870, 0.4133,
0.4550


 56.6870, 0.4133,
0.4550


412.2754, 0.3685,
0.3969


 40.7540, 0.4221,
0.4672


 100.0083, 0.3987,
0.4355


 28.1269, 0.4320,
0.4813

 128.1655, 0.3927,
0.4277

 18.4214, 0.4425,
0.4974


 161.1661, 0.3874,
0.4208

 11.2529, 0.4530,
0.5154

 199.3946, 0.3827,
0.4148

 6.2372, 0.4635,
0.5365

 243.2354, 0.3786,
0.4096

 2.9899, 0.4568,
0.5432

293.0729, 0.3749,

 1.1264, 0.4448,

0.4049

0.5552

349.2914, 0.3715,
0.4007

0.0004, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.6870, 0.4133,
0.4550

56.6870, 0.4133,
0.4550

54.8711, 0.4265,
0.4680

58.6502, 0.3981,
0.4384

53.1836, 0.4372,
0.4766

60.7622, 0.3817,
0.4191

51.6143, 0.4450,
0.4807

63.0340, 0.3648,
0.3981

50.4661, 0.4495,
0.4813

65.4733, 0.3479,
0.3764

■ 68.0873, 0.3315,
0.3547

■ 70.8826, 0.3161,
0.3337

■ 73.8654, 0.3017,
0.3136

■ 76.7839, 0.2908,
0.2988

■ 78.6306, 0.2909,
0.3023

Harmonies

Analogous

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



56.6870, 0.4586, 0.4069



56.6870, 0.4133, 0.4550



56.6870, 0.3444, 0.4720

Triad

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



56.6870, 0.4133, 0.4550



56.6870, 0.1828, 0.2786



56.6870, 0.3427, 0.2491

Complementary

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



56.6870, 0.4133, 0.4550



16.8913, 0.1981, 0.1562

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.



56.6870, 0.2663, 0.2197



56.6870, 0.4133, 0.4550



56.6870, 0.1827, 0.2303

Square

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



56.6870, 0.4133, 0.4550



56.6870, 0.2127, 0.3553



56.6870, 0.2108, 0.2121



56.6870, 0.4185, 0.2950

Rectangle

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



56.6870, 0.4133, 0.4550



56.6870, 0.2946, 0.4534



56.6870, 0.2108, 0.2121



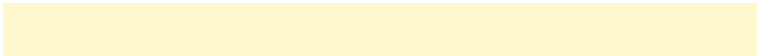
56.6870, 0.3158, 0.2371

Sweetspot

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



56.6897, 0.4133, 0.4550



92.6265, 0.3427, 0.3696



22.4315, 0.4776, 0.3044



19.6054, 0.3475, 0.3759



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.



56.6897, 0.4133, 0.4550



75.8860, 0.4304, 0.4714



60.8263, 0.3630, 0.4943



14.9069, 0.3271, 0.3486



29.7610, 0.4490, 0.4817



2.0217, 0.4434, 0.4862

Inverse Universe

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



16.8913, 0.1981, 0.1562



16.1297, 0.1761, 0.1180



15.9895, 0.2264, 0.1448



12.9370, 0.2981, 0.3086



3.7945, 0.1537, 0.0732



0.3488, 0.1608, 0.0989

Previews

White Background



This preview shows how the Yxy color 56.6870, 0.4133, 0.4550 looks on a white background.

Color Contrast Check

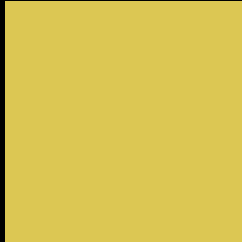
Large Text (above 18pt) WCAG AA × Fail

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 56.6870, 0.4133, 0.4550 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 56.6870, 0.4133, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 56.6870, 0.4133, 0.4550.



This preview shows how white text looks on a background with the Yxy color 56.6870, 0.4133, 0.4550.

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

56.6870, 0.4133, 0.4550

Protanopia

56.8435, 0.4142, 0.4545

Deuteranopia

56.6599, 0.4411, 0.4318



Tritanopia

56.5807, 0.3377, 0.3135

Trichromacy



Original Color

56.6870, 0.4133, 0.4550

Protanomaly

56.8435, 0.4142, 0.4545

Deuteranomaly

56.8003, 0.4311, 0.4401

Tritanomaly

55.8990, 0.3689, 0.3672

Monochromacy



Original Color

56.6870, 0.4133, 0.4550

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8538, 0.3516, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6870, 0.4133, 0.4550 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(220, 199, 83)` looks like.

```
.text, #text, p{  
    color:rgb(220, 199, 83)  
}
```

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(220, 199, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 199, 83) }
```

Border

The CSS property to change the border of an element to Yxy 56.6870, 0.4133, 0.4550 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(220, 199, 83) }
```

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

```
.border{ border-color:rgb(220, 199, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 199, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 199, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 199, 83);  
box-shadow:4px 4px 4px 4px rgb(220, 199,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6870, 0.4133, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 199, 83) }
```

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

```
.background{ background-color: rgb(220,  
199, 83) }
```

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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