

Converting Colors

Yxy(54.9360, 0.3878, 0.4450)

Have a look what the booklet for
Yxy(54.9360, 0.3878, 0.4450)
contains.

Yxy(55.1052, 0.3875, 0.4453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.1052, 0.3875, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	CCC866
RGB	204, 200, 102
RGB Percent	80%, 78%, 40%
CMY	0.2001, 0.2157, 0.5998
CMYK	0.00, 0.02, 0.50, 0.20
HSL	58°, 50%, 60%
HSV	58°, 50%, 80%
XYZ	47.9525, 55.1052, 20.6907
YIQ	190.0240, 33.8420, -29.6300

Conversions

Conversions Part 2

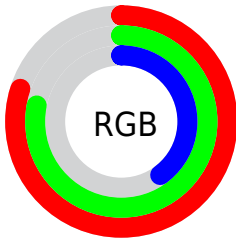
Format	Color
R_{YB}	106, 204, 102
Decimal	13420646
CIE _{Lab}	79.10, -11.88, 48.99
CIE _{LCh}	79, 50.405, 103.633
Yxy	55.1052, 0.3875, 0.4453
Android (android.graphics.Color)	4291610726 (0xFFCCC866)
YUV	190.0240, -43.3958, 12.2570
Hunter-Lab	74.2329, -14.6011, 35.4373

Details

The Yxy color **55.1052, 0.3875, 0.4453** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.4984, 0.2189, 0.1778**, and the grayscale version is **51.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1466, 0.3717, 0.4265**, and **27.0840, 0.4034, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **54.3840, 0.4000, 0.4640**, and if you desaturate by 10%, it is **55.9330, 0.3734, 0.4238**.

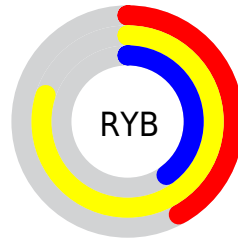
Distribution



Red (80%)

Green (78%)

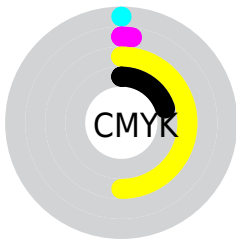
Blue (40%)



Red (42%)

Yellow (80%)

Blue (40%)

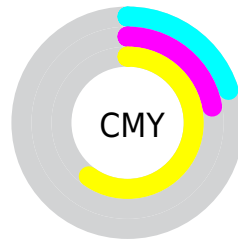


Cyan (0%)

Magenta (2%)

Yellow (50%)

Black (20%)



Cyan (20%)


Magenta (22%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1052, 0.3875, 0.4453 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 55.1052, 0.3875, 0.4453 by changing the saturation by 10% instead.


 55.1052, 0.3875,
0.4453

 55.1052, 0.3875,
0.4453


406.3106, 0.3537,
0.3892


 39.4860, 0.3945,
0.4581


 97.6951, 0.3763,
0.4257

 27.1380, 0.4024,
0.4737


 125.4345, 0.3717,
0.4181

 17.6769, 0.4113,
0.4927


 157.9828, 0.3677,
0.4116

 10.7183, 0.4203,
0.5158

 195.7243, 0.3642,
0.4059

 5.8777, 0.4368,
0.5553

239.0434, 0.3611,
0.4009

 2.7709, 0.4265,
0.5735

288.3246, 0.3584,

 1.0133, 0.3972,

0.3966

0.6028

343.9522, 0.3559,
0.3927

0.0000, 0.0000,
0.0000

55.1052, 0.3875,
0.4453

55.1052, 0.3875,
0.4453

54.3840, 0.4000,
0.4640

55.9330, 0.3734,
0.4238

53.7543, 0.4103,
0.4791

56.8664, 0.3583,
0.4006

53.2102, 0.4182,
0.4901


57.9141, 0.3429,
0.3765


52.7416, 0.4233,
0.4967


59.0817, 0.3275,
0.3524

52.3299, 0.4263,
0.4997


60.3746, 0.3127,
0.3289

 52.3288, 0.4263,
0.4997

 61.7975, 0.2986,
0.3066

 63.3553, 0.2855,
0.2856

 64.3756, 0.2793,
0.2762

 64.7603, 0.2794,
0.2771

Harmonies

Analogous

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



55.1052, 0.4325, 0.4108



55.1052, 0.3875, 0.4453



55.1052, 0.3252, 0.4464

Triad

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



55.1052, 0.3875, 0.4453



55.1052, 0.1965, 0.2734



55.1052, 0.3565, 0.2684

Complementary

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



55.1052, 0.3875, 0.4453



17.4984, 0.2189, 0.1778

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.



55.1052, 0.2887, 0.2379



55.1052, 0.3875, 0.4453



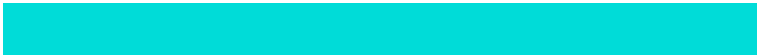
55.1052, 0.2026, 0.2370

Square

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



55.1052, 0.3875, 0.4453



55.1052, 0.2169, 0.3342



55.1052, 0.2342, 0.2262



55.1052, 0.4164, 0.3123

Rectangle

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



55.1052, 0.3875, 0.4453



55.1052, 0.2825, 0.4218



55.1052, 0.2342, 0.2262



55.1052, 0.3336, 0.2565

Sweetspot

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



55.1077, 0.3875, 0.4453



96.8292, 0.3355, 0.3650



23.4113, 0.4458, 0.3230



20.6382, 0.3388, 0.3701



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.



55.1077, 0.3875, 0.4453



89.9931, 0.4009, 0.4654



51.4179, 0.3464, 0.4673



13.0188, 0.3267, 0.3510



32.9759, 0.4262, 0.4998



1.7250, 0.4248, 0.5009

Inverse Universe

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



17.4984, 0.2189, 0.1778



20.7622, 0.1969, 0.1415



20.1589, 0.2590, 0.1874



10.9129, 0.2982, 0.3060



2.8843, 0.1508, 0.0628



0.1739, 0.1534, 0.0721

Previews

White Background



This preview shows how the Yxy color 55.1052, 0.3875, 0.4453 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 Xy color 55.1052, 0.3875, 0.4453 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 55.1052, 0.3875, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 55.1052, 0.3875, 0.4453.



This preview shows how white text looks on a background with the Yxy color 55.1052, 0.3875, 0.4453.

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

55.1052, 0.3875, 0.4453

Protanopia

55.0184, 0.4010, 0.4377

Deuteranopia

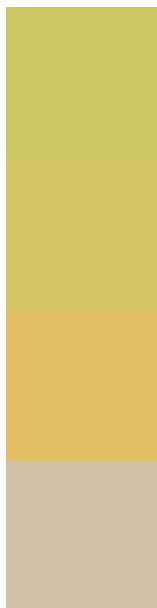
55.0858, 0.4250, 0.4161



Tritanopia

55.0031, 0.3225, 0.3128

Trichromacy



Original Color

55.1052, 0.3875, 0.4453

Protanomaly

54.8691, 0.3969, 0.4403

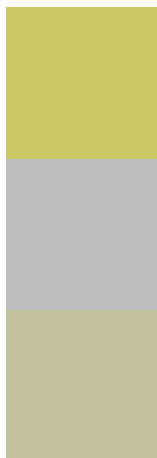
Deuteranomaly

55.0296, 0.4111, 0.4267

Tritanomaly

54.5947, 0.3480, 0.3616

Monochromacy



Original Color

55.1052, 0.3875, 0.4453

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.6543, 0.3412, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1052, 0.3875, 0.4453 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(204, 200, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 200, 102)  
}
```

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(204, 200, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 200, 102) }
```

Border

The CSS property to change the border of an element to Yxy 55.1052, 0.3875, 0.4453 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(204, 200, 102) }
```

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

```
.border{ border-color:rgb(204, 200, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 200, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 200, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 200, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 200,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1052, 0.3875, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 200, 102) }
```

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

```
.background{ background-color: rgb(204,  
200, 102) }
```

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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