

Converting Colors

$Y_{xy}(41.1953, 0.4101, 0.4543)$

Have a look what the booklet for
Yxy(41.1953, 0.4101, 0.4543)
contains.

Yxy(41.1870, 0.4098, 0.4545)	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(41.1870, 0.4098, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	BDAD49
RGB	189, 173, 73
RGB Percent	74%, 68%, 29%
CMY	0.2587, 0.3216, 0.7137
CMYK	0.00, 0.08, 0.61, 0.26
HSL	52°, 47%, 51%
HSV	52°, 61%, 74%
XYZ	37.1363, 41.1870, 12.2972
YIQ	166.3840, 41.6360, -27.7080

Conversions

Conversions Part 2

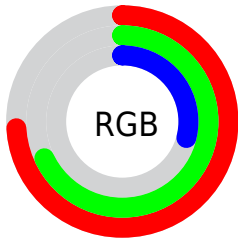
Format	Color
R_{YB}	92, 189, 73
Decimal	12430665
CIE Lab	70.31, -6.48, 52.13
CIE LCh	70, 52.532, 97.087
Yxy	41.1870, 0.4098, 0.4545
Android (android.graphics.Color)	4290620745 (0xFFBDAD49)
YUV	166.3840, -46.0383, 19.8342
Hunter-Lab	64.1771, -9.0204, 33.5632

Details

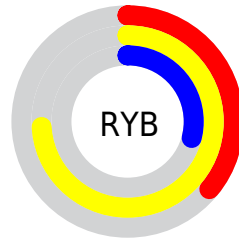
The Yxy color **41.1870, 0.4098, 0.4545** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.2418, 0.2003, 0.1581**, and the grayscale version is **38.5436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9239, 0.3950, 0.4331**, and **18.7018, 0.4306, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **39.9837, 0.4228, 0.4681**, and if you desaturate by 10%, it is **42.4899, 0.3950, 0.4374**.

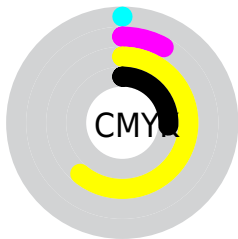
Distribution



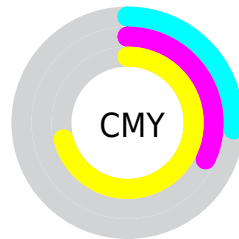
- Red (74%)
- Green (68%)
- Blue (29%)



- Red (36%)
- Yellow (74%)
- Blue (29%)



- Cyan (0%)
- Magenta (8%)
- Yellow (61%)
- Black (26%)



- Cyan (26%)
- Magenta (32%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1870, 0.4098, 0.4545 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 41.1870, 0.4098, 0.4545 by changing the saturation by 10% instead.

41.1870, 0.4098,
0.4545

41.1870, 0.4098,
0.4545

351.1016, 0.3639,
0.3928

28.4652, 0.4194,
0.4684

76.9677, 0.3943,
0.4330

18.6767, 0.4302,
0.4848

100.7954, 0.3881,
0.4246

11.4369, 0.4416,
0.5039

129.0939, 0.3827,
0.4174

6.3615, 0.4623,
0.5370

162.2475, 0.3780,
0.4111

3.0661, 0.4557,
0.5443

200.6407, 0.3738,
0.4057

1.1663, 0.4434,
0.5566

244.6578, 0.3701,

0.0340, 0.0000,

0.4009

1.0000

294.6833, 0.3668,
0.3966

0.0000, 0.0000,
0.0000

41.1870, 0.4098,
0.4545

41.1870, 0.4098,
0.4545

39.9837, 0.4228,
0.4681

42.4899, 0.3950,
0.4374

38.8670, 0.4333,
0.4776

43.8929, 0.3789,
0.4178

37.8302, 0.4411,
0.4826

45.4038, 0.3624,
0.3966

36.9857, 0.4460,
0.4841

47.0277, 0.3459,
0.3747

48.7695, 0.3299,
0.3530

■ 50.6338, 0.3147,
0.3318

■ 52.6246, 0.3006,
0.3117

■ 54.7461, 0.2875,
0.2929

■ 57.0021, 0.2756,
0.2755

Harmonies

Analogous

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



41.1870, 0.4554, 0.4081



41.1870, 0.4098, 0.4545



41.1870, 0.3414, 0.4692

Triad

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



41.1870, 0.4098, 0.4545



41.1870, 0.1841, 0.2772



41.1870, 0.3452, 0.2516

Complementary

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



41.1870, 0.4098, 0.4545



12.2418, 0.2003, 0.1581

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.



41.1870, 0.2695, 0.2219



41.1870, 0.4098, 0.4545



41.1870, 0.1850, 0.2306

Square

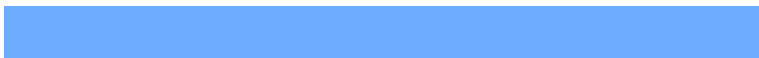
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.1870, 0.4098, 0.4545



41.1870, 0.2126, 0.3519



41.1870, 0.2138, 0.2136



41.1870, 0.4191, 0.2975

Rectangle

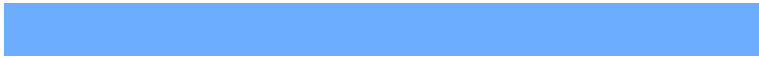
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.1870, 0.4098, 0.4545



41.1870, 0.2925, 0.4493



41.1870, 0.2138, 0.2136



41.1870, 0.3187, 0.2396

Sweetspot

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



41.1889, 0.4098, 0.4545



85.1472, 0.3409, 0.3680



16.3329, 0.4748, 0.3073



18.1196, 0.3456, 0.3743



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.1889, 0.4098, 0.4545



70.8151, 0.4271, 0.4723



43.2194, 0.3606, 0.4917



10.8897, 0.3268, 0.3486



24.9626, 0.4456, 0.4844



1.0406, 0.4384, 0.4901

Inverse Universe

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



12.2418, 0.2003, 0.1581



14.7478, 0.1771, 0.1182



11.9929, 0.2309, 0.1500



9.4322, 0.2984, 0.3086



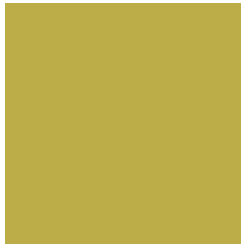
3.0396, 0.1534, 0.0721



0.1886, 0.1630, 0.1067

Previews

White Background



This preview shows how the Yxy color 41.1870, 0.4098, 0.4545 looks on a white background.

Color Contrast Check

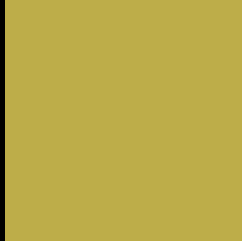
Large Text (above 18pt) WCAG AA × Fail

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 41.1870, 0.4098, 0.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

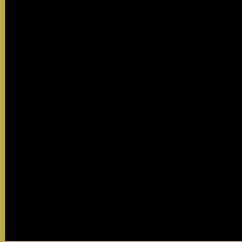
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1870, 0.4098, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 41.1870, 0.4098, 0.4545.



This preview shows how white text looks on a background with the Yxy color 41.1870, 0.4098, 0.4545.

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

41.1870, 0.4098, 0.4545

Protanopia

41.0625, 0.4125, 0.4524

Deuteranopia

41.2189, 0.4385, 0.4302



Tritanopia

40.9416, 0.3354, 0.3125

Trichromacy



Original Color

41.1870, 0.4098, 0.4545

Protanomaly

40.9332, 0.4115, 0.4530

Deuteranomaly

40.9828, 0.4280, 0.4386

Tritanomaly

40.7095, 0.3663, 0.3661

Monochromacy



Original Color

41.1870, 0.4098, 0.4545

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0405, 0.3499, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1870, 0.4098, 0.4545 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(189, 173, 73)` looks like.

```
.text, #text, p{  
    color:rgb(189, 173, 73)  
}
```

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(189, 173, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 173, 73) }
```

Border

The CSS property to change the border of an element to Yxy 41.1870, 0.4098, 0.4545 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(189, 173, 73) }
```

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

```
.border{ border-color:rgb(189, 173, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 173, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 173, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 173, 73);  
box-shadow:4px 4px 4px 4px rgb(189, 173,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1870, 0.4098, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 173, 73) }
```

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

```
.background{ background-color: rgb(189,  
173, 73) }
```

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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