

Converting Colors

Yxy(44.8830, 0.4123, 0.4433)

Have a look what the booklet for
Yxy(44.8830, 0.4123, 0.4433)
contains.

Yxy(45.0219, 0.4121, 0.4434)	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(45.0219, 0.4121, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	CAB253
RGB	202, 178, 83
RGB Percent	79%, 70%, 33%
CMY	0.2078, 0.3020, 0.6744
CMYK	0.00, 0.12, 0.59, 0.21
HSL	48°, 53%, 56%
HSV	48°, 59%, 79%
XYZ	41.8438, 45.0219, 14.6722
YIQ	174.3460, 44.7990, -24.4570

Conversions

Conversions Part 2

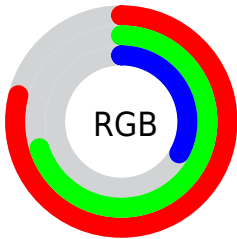
Format	Color
RYB	113, 202, 83
Decimal	13283923
CIELab	72.91, -2.85, 50.75
CIELCh	73, 50.831, 93.216
Yxy	45.0219, 0.4121, 0.4434
Android (android.graphics.Color)	4291474003 (0xFFCAB253)
YUV	174.3460, -45.0336, 24.2526
Hunter-Lab	67.0984, -6.1063, 34.0041

Details

The Yxy color **45.0219, 0.4121, 0.4434** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.6302, 0.2070, 0.1765**, and the grayscale version is **42.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2871, 0.3920, 0.4262**, and **21.0404, 0.4331, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **43.1571, 0.4277, 0.4571**, and if you desaturate by 10%, it is **47.0302, 0.3951, 0.4265**.

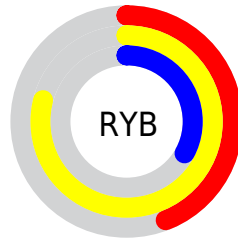
Distribution



Red (79%)

Green (70%)

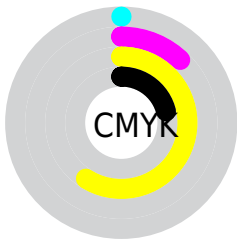
Blue (33%)



Red (44%)

Yellow (79%)

Blue (33%)

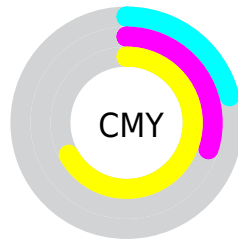


Cyan (0%)

Magenta (12%)

Yellow (59%)

Black (21%)



Cyan (21%)


Magenta (30%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0219, 0.4121, 0.4434 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 45.0219, 0.4121, 0.4434 by changing the saturation by 10% instead.


 45.0219, 0.4121,
0.4434

 45.0219, 0.4121,
0.4434


366.8622, 0.3650,
0.3884

 31.4747, 0.4222,
0.4556


 82.7533, 0.3961,
0.4244


 20.9606, 0.4339,
0.4699

 107.7062, 0.3897,
0.4169

 13.0952, 0.4471,
0.4866


 137.2298, 0.3842,
0.4105

 7.4941, 0.4636,
0.5081

 171.7086, 0.3793,
0.4049

 3.7730, 0.4745,
0.5255

 211.5268, 0.3751,
0.4000

 1.5474, 0.4700,
0.5300

257.0689, 0.3714,

 0.3217, 0.4233,

0.3956

0.5767

308.7192, 0.3680,
0.3918

0.0000, 0.0000,
0.0000

45.0219, 0.4121,
0.4434

45.0219, 0.4121,
0.4434

43.1571, 0.4277,
0.4571

47.0302, 0.3951,
0.4265

41.4207, 0.4410,
0.4668

49.1830, 0.3774,
0.4074

39.8050, 0.4517,
0.4718

51.4895, 0.3597,
0.3872

38.2936, 0.4596,
0.4726

53.9559, 0.3425,
0.3666

38.1320, 0.4604,
0.4726

56.5880, 0.3263,
0.3464

■ 59.3914, 0.3111,
0.3269

■ 62.3712, 0.2972,
0.3085

■ 65.5323, 0.2845,
0.2914

■ 68.2294, 0.2787,
0.2853

Harmonies

Analogous

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



45.0219, 0.4505, 0.3982



45.0219, 0.4121, 0.4434



45.0219, 0.3495, 0.4611

Triad

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



45.0219, 0.4121, 0.4434



45.0219, 0.1928, 0.2887



45.0219, 0.3338, 0.2511

Complementary

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



45.0219, 0.4121, 0.4434



16.6302, 0.2070, 0.1765

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.



45.0219, 0.2640, 0.2251



45.0219, 0.4121, 0.4434



45.0219, 0.1899, 0.2404

Square

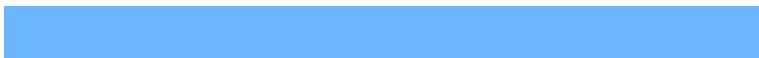
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.0219, 0.4121, 0.4434



45.0219, 0.2239, 0.3608



45.0219, 0.2141, 0.2203



45.0219, 0.4048, 0.2933

Rectangle

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



45.0219, 0.4121, 0.4434



45.0219, 0.3031, 0.4466



45.0219, 0.2141, 0.2203



45.0219, 0.3092, 0.2403

Sweetspot

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



45.0240, 0.4121, 0.4434



91.6180, 0.3414, 0.3653



19.8493, 0.4528, 0.2976



19.3391, 0.3464, 0.3713



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.



45.0240, 0.4121, 0.4434



72.1298, 0.4320, 0.4605



51.2341, 0.3664, 0.4826



12.6970, 0.3270, 0.3474



24.6607, 0.4598, 0.4731



1.3723, 0.4504, 0.4806

Inverse Universe

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



16.6302, 0.2070, 0.1765



19.9341, 0.1847, 0.1389



14.2190, 0.2269, 0.1532



11.2047, 0.2982, 0.3099



3.8575, 0.1559, 0.0811



0.3092, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 45.0219, 0.4121, 0.4434 looks on a white background.

Color Contrast Check

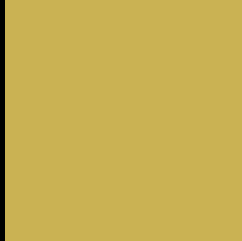
Large Text (above 18pt) WCAG AA × Fail

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 45.0219, 0.4121, 0.4434 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 45.0219, 0.4121, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 45.0219, 0.4121, 0.4434.

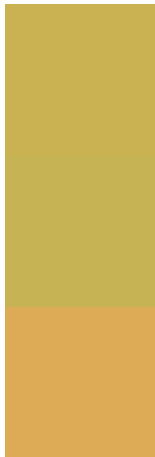


This preview shows how white text looks on a background with the Yxy color 45.0219, 0.4121, 0.4434.

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

45.0219, 0.4121, 0.4434

Protanopia

44.8705, 0.4076, 0.4464

Deuteranopia

44.7775, 0.4347, 0.4247



Tritanopia

44.7816, 0.3422, 0.3133

Trichromacy



Original Color

45.0219, 0.4121, 0.4434

Protanomaly

45.0068, 0.4085, 0.4459

Deuteranomaly

44.8234, 0.4265, 0.4318

Tritanomaly

44.5801, 0.3707, 0.3617

Monochromacy



Original Color

45.0219, 0.4121, 0.4434

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.7734, 0.3499, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0219, 0.4121, 0.4434 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(202, 178, 83)` looks like.

```
.text, #text, p{  
    color:rgb(202, 178, 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(202, 178, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 178, 83) }
```

Border

The CSS property to change the border of an element to Yxy 45.0219, 0.4121, 0.4434 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(202, 178, 83) }
```

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

```
.border{ border-color:rgb(202, 178, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 178, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 178, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 178, 83);  
box-shadow:4px 4px 4px 4px rgb(202, 178,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0219, 0.4121, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 178, 83) }
```

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

```
.background{ background-color: rgb(202,  
178, 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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