

Converting Colors

$Y_{xy}(45.9278, 0.4133, 0.4447)$

Have a look what the booklet for
Yxy(45.9278, 0.4133, 0.4447)
contains.

Yxy(46.0891, 0.4132, 0.4455)	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(46.0891, 0.4132, 0.4455)

Conversions

Conversions Part 1

Format	Color
Hex	CCB452
RGB	204, 180, 82
RGB Percent	80%, 71%, 32%
CMY	0.2000, 0.2941, 0.6786
CMYK	0.00, 0.12, 0.60, 0.20
HSL	48°, 54%, 56%
HSV	48°, 60%, 80%
XYZ	42.7475, 46.0891, 14.6182
YIQ	176.0040, 45.7620, -25.3900

Conversions

Conversions Part 2

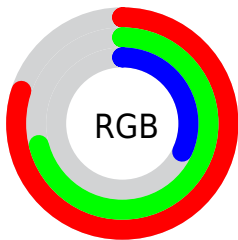
Format	Color
RYB	112, 204, 82
Decimal	13415506
CIELab	73.60, -3.14, 52.08
CIELCh	74, 52.173, 93.447
Yxy	46.0891, 0.4132, 0.4455
Android (android.graphics.Color)	4291605586 (0xFFCCB452)
YUV	176.0040, -46.3440, 24.5525
Hunter-Lab	67.8890, -6.4099, 34.7557

Details

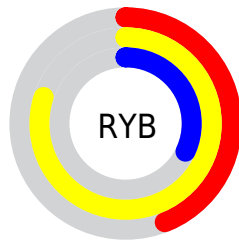
The Yxy color **46.0891, 0.4132, 0.4455** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.4553, 0.2050, 0.1727**, and the grayscale version is **43.6467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0002, 0.3906, 0.4288**, and **21.7301, 0.4341, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **44.2285, 0.4284, 0.4589**, and if you desaturate by 10%, it is **48.0933, 0.3964, 0.4288**.

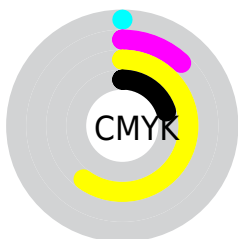
Distribution



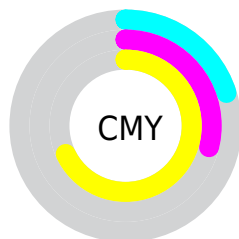
- Red (80%)
- Green (71%)
- Blue (32%)



- Red (44%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (12%)
- Yellow (60%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0891, 0.4132, 0.4455 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 46.0891, 0.4132, 0.4455 by changing the saturation by 10% instead.


 46.0891, 0.4132,
0.4455


 46.0891, 0.4132,
0.4455


371.1667, 0.3660,
0.3898


 32.3161, 0.4232,
0.4577


 84.3523, 0.3972,
0.4263


 21.6031, 0.4347,
0.4720


 109.6114, 0.3908,
0.4188


 13.5655, 0.4476,
0.4886


 139.4679, 0.3853,
0.4122

 7.8191, 0.4635,
0.5098

 174.3063, 0.3804,
0.4066

 3.9794, 0.4734,
0.5266

 214.5110, 0.3761,
0.4016

 1.6621, 0.4687,
0.5313

260.4664, 0.3724,

 0.3989, 0.4313,

0.3972

0.5687

312.5569, 0.3690,
0.3933

0.0000, 0.0000,
0.0000

46.0891, 0.4132,
0.4455

46.0891, 0.4132,
0.4455

44.2285, 0.4284,
0.4589

48.0933, 0.3964,
0.4288

42.4961, 0.4414,
0.4682

50.2423, 0.3789,
0.4098

40.8837, 0.4515,
0.4729

52.5454, 0.3612,
0.3895

39.3725, 0.4591,
0.4735

55.0091, 0.3441,
0.3688

39.3464, 0.4593,
0.4735

57.6394, 0.3277,
0.3484

■ 60.4418, 0.3125,
0.3287

■ 63.4218, 0.2984,
0.3100

■ 66.5842, 0.2856,
0.2927

■ 69.2340, 0.2800,
0.2871

Harmonies

Analogous

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



46.0891, 0.4527, 0.3995



46.0891, 0.4132, 0.4455



46.0891, 0.3494, 0.4636

Triad

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



46.0891, 0.4132, 0.4455



46.0891, 0.1907, 0.2873



46.0891, 0.3347, 0.2501

Complementary

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



46.0891, 0.4132, 0.4455



16.4553, 0.2050, 0.1727

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.



46.0891, 0.2636, 0.2236



46.0891, 0.4132, 0.4455



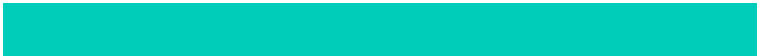
46.0891, 0.1881, 0.2385

Square

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



46.0891, 0.4132, 0.4455



46.0891, 0.2220, 0.3607



46.0891, 0.2128, 0.2185



46.0891, 0.4070, 0.2930

Rectangle

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



46.0891, 0.4132, 0.4455



46.0891, 0.3022, 0.4487



46.0891, 0.2128, 0.2185



46.0891, 0.3096, 0.2391

Sweetspot

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



46.0913, 0.4132, 0.4455



91.7619, 0.3414, 0.3655



19.9168, 0.4597, 0.2998



19.3746, 0.3464, 0.3716



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.



46.0913, 0.4132, 0.4455



72.3213, 0.4327, 0.4623



52.0591, 0.3652, 0.4858



12.7071, 0.3270, 0.3475



24.8942, 0.4586, 0.4741



1.3825, 0.4495, 0.4813

Inverse Universe

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



16.4553, 0.2050, 0.1727



19.1986, 0.1829, 0.1351



14.2818, 0.2271, 0.1511



11.1954, 0.2982, 0.3098



3.8100, 0.1556, 0.0802



0.3049, 0.1655, 0.1159

Previews

White Background



This preview shows how the Yxy color 46.0891, 0.4132, 0.4455 looks on a white background.

Color Contrast Check

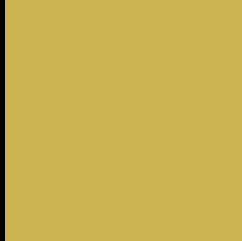
Large Text (above 18pt) WCAG AA × Fail

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 46.0891, 0.4132, 0.4455 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 46.0891, 0.4132, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 46.0891, 0.4132, 0.4455.



This preview shows how white text looks on a background with the Yxy color 46.0891, 0.4132, 0.4455.

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

46.0891, 0.4132, 0.4455

Protanopia

46.0745, 0.4096, 0.4479

Deuteranopia

45.9924, 0.4366, 0.4264



Tritanopia

45.8995, 0.3419, 0.3134

Trichromacy



Original Color

46.0891, 0.4132, 0.4455

Protanomaly

46.2135, 0.4106, 0.4474

Deuteranomaly

46.0362, 0.4284, 0.4334

Tritanomaly

45.6641, 0.3709, 0.3626

Monochromacy



Original Color

46.0891, 0.4132, 0.4455

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.8364, 0.3504, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0891, 0.4132, 0.4455 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, 180, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 82)  
}
```

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, 180, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 82) }
```

Border

The CSS property to change the border of an element to Yxy 46.0891, 0.4132, 0.4455 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, 180, 82) }
```

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

```
.border{ border-color:rgb(204, 180, 82) }
```

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

Here you see how a box with a 4 pixel rgb(204, 180, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0891, 0.4132, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 82) }
```

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

```
.background{ background-color: rgb(204,  
180, 82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor