

Converting Colors

$Y_{xy}(48.2304, 0.4096, 0.4510)$

Have a look what the booklet for
Yxy(48.2304, 0.4096, 0.4510)
contains.

Yxy(48.1445, 0.4095, 0.4504)	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(48.1445, 0.4095, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	CCB952
RGB	204, 185, 82
RGB Percent	80%, 73%, 32%
CMY	0.2000, 0.2745, 0.6783
CMYK	0.00, 0.09, 0.60, 0.20
HSL	51°, 54%, 56%
HSV	51°, 60%, 80%
XYZ	43.7726, 48.1445, 14.9757
YIQ	178.9390, 44.3870, -28.0050

Conversions

Conversions Part 2

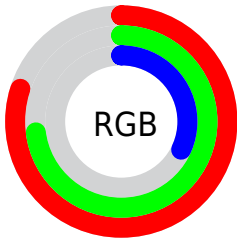
Format	Color
RYB	105, 204, 82
Decimal	13416786
CIELab	74.92, -5.76, 53.51
CIELCh	75, 53.823, 96.140
Yxy	48.1445, 0.4095, 0.4504
Android (android.graphics.Color)	4291606866 (0xFFCCB952)
YUV	178.9390, -47.7909, 21.9785
Hunter-Lab	69.3862, -8.8185, 35.7738

Details

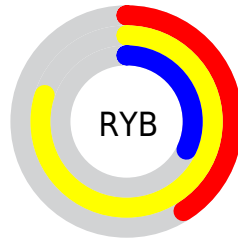
The Yxy color **48.1445, 0.4095, 0.4504** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.4658, 0.2034, 0.1652**, and the grayscale version is **45.2893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9199, 0.3884, 0.4330**, and **22.7894, 0.4296, 0.4778** is the 20% darker color. If you saturate the color by 10%, you get **46.5672, 0.4234, 0.4644**, and if you desaturate by 10%, it is **49.8484, 0.3939, 0.4331**.

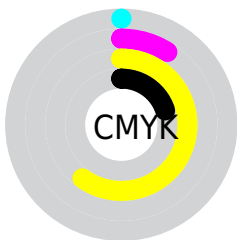
Distribution



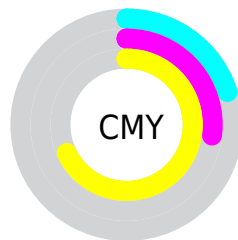
- Red (80%)
- Green (73%)
- Blue (32%)



- Red (41%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (20%)




- Cyan (20%)
- Magenta (27%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1445, 0.4095, 0.4504 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 48.1445, 0.4095, 0.4504 by changing the saturation by 10% instead.


 48.1445, 0.4095,
0.4504


 48.1445, 0.4095,
0.4504

379.3646, 0.3647,
0.3924


 33.9413, 0.4188,
0.4631


 87.4195, 0.3945,
0.4304


 22.8485, 0.4293,
0.4782


 113.2601, 0.3885,
0.4226


 14.4817, 0.4407,
0.4956


 143.7487, 0.3832,
0.4158

 8.4565, 0.4540,
0.5174

 179.2696, 0.3786,
0.4099

 4.3884, 0.4625,
0.5375

 220.2073, 0.3745,
0.4047

 1.8931, 0.4543,
0.5457

266.9461, 0.3709,

 0.5442, 0.4091,

0.4001

0.5909

319.8704, 0.3676,
0.3960

0.0000, 0.0000,
0.0000

48.1445, 0.4095,
0.4504

48.1445, 0.4095,
0.4504

46.5672, 0.4234,
0.4644

49.8484, 0.3939,
0.4331

45.1009, 0.4348,
0.4742

51.6795, 0.3773,
0.4133

43.7377, 0.4436,
0.4795

53.6471, 0.3603,
0.3922

42.4593, 0.4498,
0.4809

55.7574, 0.3436,
0.3706

42.4319, 0.4499,
0.4809

58.0163, 0.3275,
0.3492

■ 60.4291, 0.3124,
0.3286

■ 63.0009, 0.2984,
0.3090

■ 65.7367, 0.2855,
0.2907

■ 67.9375, 0.2798,
0.2842

Harmonies

Analogous

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



48.1445, 0.4527, 0.4050



48.1445, 0.4095, 0.4504



48.1445, 0.3433, 0.4654

Triad

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



48.1445, 0.4095, 0.4504



48.1445, 0.1876, 0.2808



48.1445, 0.3420, 0.2523

Complementary

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



48.1445, 0.4095, 0.4504



15.4658, 0.2034, 0.1652

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.



48.1445, 0.2686, 0.2237



48.1445, 0.4095, 0.4504



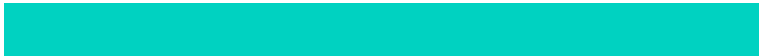
48.1445, 0.1875, 0.2341

Square

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



48.1445, 0.4095, 0.4504



48.1445, 0.2166, 0.3540



48.1445, 0.2149, 0.2164



48.1445, 0.4142, 0.2969

Rectangle

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



48.1445, 0.4095, 0.4504



48.1445, 0.2955, 0.4471



48.1445, 0.2149, 0.2164



48.1445, 0.3163, 0.2407

Sweetspot

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



48.1468, 0.4095, 0.4504



92.9148, 0.3411, 0.3673



19.8428, 0.4662, 0.3049



19.6593, 0.3459, 0.3737



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.



48.1468, 0.4095, 0.4504



76.3439, 0.4273, 0.4680



51.6122, 0.3618, 0.4877



12.7877, 0.3269, 0.3484



26.8223, 0.4494, 0.4813



1.4659, 0.4426, 0.4867

Inverse Universe

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



15.4658, 0.2034, 0.1652



17.6844, 0.1807, 0.1267



14.5877, 0.2310, 0.1529



11.1212, 0.2982, 0.3088



3.4739, 0.1539, 0.0740



0.2708, 0.1626, 0.1052

Previews

White Background



This preview shows how the Yxy color 48.1445, 0.4095, 0.4504 looks on a white background.

Color Contrast Check

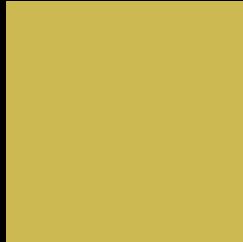
Large Text (above 18pt) WCAG AA × Fail

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 48.1445, 0.4095, 0.4504 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 48.1445, 0.4095, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 48.1445, 0.4095, 0.4504.



This preview shows how white text looks on a background with the Yxy color 48.1445, 0.4095, 0.4504.

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

48.1445, 0.4095, 0.4504

Protanopia

48.2863, 0.4105, 0.4499

Deuteranopia

48.2005, 0.4363, 0.4278



Tritanopia

48.0061, 0.3366, 0.3135

Trichromacy



Original Color

48.1445, 0.4095, 0.4504

Protanomaly

48.2863, 0.4105, 0.4499

Deuteranomaly

47.9404, 0.4265, 0.4357

Tritanomaly

47.7124, 0.3665, 0.3649

Monochromacy



Original Color

48.1445, 0.4095, 0.4504

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7527, 0.3495, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1445, 0.4095, 0.4504 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, 185, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 185, 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, 185, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 185, 82) }
```

Border

The CSS property to change the border of an element to Yxy 48.1445, 0.4095, 0.4504 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, 185, 82) }
```

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

```
.border{ border-color:rgb(204, 185, 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, 185, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 185, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 185, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 185,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1445, 0.4095, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 185, 82) }
```

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

```
.background{ background-color: rgb(204,  
185, 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](#).

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