

Converting Colors

$Y_{xy}(41.8114, 0.4420, 0.4678)$

Have a look what the booklet for
Yxy(41.8114, 0.4420, 0.4678)
contains.

Yxy(41.9824, 0.4414, 0.4681)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9824, 0.4414, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	CBAB29
RGB	203, 171, 41
RGB Percent	80%, 67%, 16%
CMY	0.2040, 0.3294, 0.8391
CMYK	0.00, 0.16, 0.80, 0.20
HSL	48°, 66%, 48%
HSV	48°, 80%, 80%
XYZ	39.5878, 41.9824, 8.1167
YIQ	165.7480, 60.8020, -33.6460

Conversions

Conversions Part 2

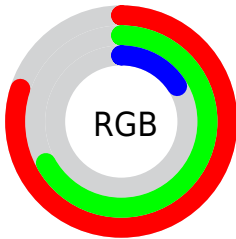
Format	Color
R _Y B	81, 203, 41
Decimal	13347625
CIE Lab	70.86, -0.99, 65.58
CIE LCh	71, 65.592, 90.864
Yxy	41.9824, 0.4414, 0.4681
Android (android.graphics.Color)	4291537705 (0xFFC BAB29)
YUV	165.7480, -61.5008, 32.6700
Hunter-Lab	64.7938, -4.3292, 37.9285

Details

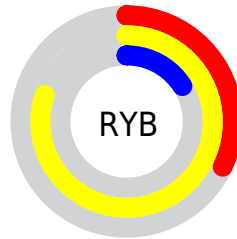
The Yxy color **41.9824, 0.4414, 0.4681** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **9.5467, 0.1733, 0.1176**, and the grayscale version is **38.2873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5346, 0.4161, 0.4508**, and **19.2134, 0.4542, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **40.3865, 0.4516, 0.4728**, and if you desaturate by 10%, it is **43.7013, 0.4284, 0.4588**.

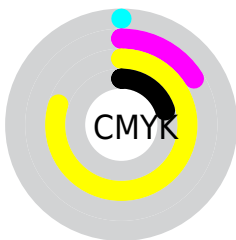
Distribution



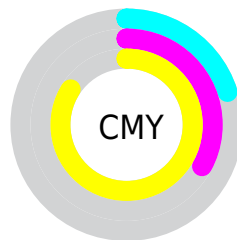
- Red (80%)
- Green (67%)
- Blue (16%)



- Red (32%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (20%)




- Cyan (20%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9824, 0.4414, 0.4681 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 41.9824, 0.4414, 0.4681 by changing the saturation by 10% instead.


 41.9824, 0.4414,
0.4681


 41.9824, 0.4414,
0.4681

354.4100, 0.3828,
0.4043


 29.0875, 0.4524,
0.4802

 78.1730, 0.4225,
0.4474


 19.1470, 0.4639,
0.4931


 102.2375, 0.4146,
0.4388


 11.7766, 0.4772,
0.5082


 130.7940, 0.4076,
0.4312

 6.5917, 0.4836,
0.5164

 164.2268, 0.4015,
0.4245

 3.2081, 0.4826,
0.5174

 202.9204, 0.3960,
0.4186

 1.2413, 0.4809,
0.5191

 247.2593, 0.3911,

 0.0951, 0.4106,

0.4133

0.5894

297.6276, 0.3867,
0.4086

■ 0.0000, 0.0000,
0.0000

■ 41.9824, 0.4414,
0.4681

■ 41.9824, 0.4414,
0.4681

■ 40.3865, 0.4516,
0.4728

■ 43.7013, 0.4284,
0.4588

■ 38.8889, 0.4592,
0.4734

■ 45.5473, 0.4132,
0.4453

■ 38.8578, 0.4594,
0.4734

■ 47.5313, 0.3964,
0.4286

■ 49.6608, 0.3788,
0.4096

■ 51.9429, 0.3612,
0.3894

■ 54.3840, 0.3440,
0.3687

■ 56.9900, 0.3277,
0.3483

■ 59.7665, 0.3124,
0.3286

■ 62.7187, 0.2984,
0.3100

Harmonies

Analogous

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



41.9824, 0.4917, 0.4046



41.9824, 0.4414, 0.4681



41.9824, 0.3617, 0.5048

Triad

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



41.9824, 0.4414, 0.4681



41.9824, 0.1627, 0.2791



41.9824, 0.3310, 0.2272

Complementary

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



41.9824, 0.4414, 0.4681



9.5467, 0.1733, 0.1176

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.



41.9824, 0.2428, 0.1974



41.9824, 0.4414, 0.4681



41.9824, 0.1580, 0.2172

Square

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



41.9824, 0.4414, 0.4681



41.9824, 0.2017, 0.3782



41.9824, 0.1844, 0.1925



41.9824, 0.4273, 0.2770

Rectangle

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



41.9824, 0.4414, 0.4681



41.9824, 0.3027, 0.4937



41.9824, 0.1844, 0.1925



41.9824, 0.2991, 0.2147

Sweetspot

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



41.9844, 0.4414, 0.4681



89.1998, 0.3517, 0.3781



14.7677, 0.5411, 0.3000



18.7793, 0.3579, 0.3855



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.



41.9844, 0.4414, 0.4681



65.7543, 0.4573, 0.4733



49.7705, 0.3709, 0.5251



12.7058, 0.3270, 0.3475



24.8647, 0.4587, 0.4740



1.3812, 0.4497, 0.4812

Inverse Universe

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



9.5467, 0.1733, 0.1176



10.3644, 0.1569, 0.0825



8.0527, 0.1944, 0.0994



11.1966, 0.2982, 0.3098



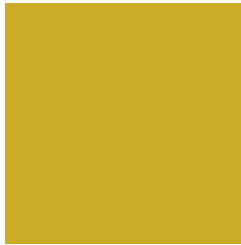
3.8160, 0.1557, 0.0803



0.3054, 0.1656, 0.1160

Previews

White Background



This preview shows how the Yxy color 41.9824, 0.4414, 0.4681 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 41.9824, 0.4414, 0.4681 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 41.9824, 0.4414, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 41.9824, 0.4414, 0.4681.



This preview shows how white text looks on a background with the Yxy color 41.9824, 0.4414, 0.4681.

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

41.9824, 0.4414, 0.4681

Protanopia

42.0414, 0.4305, 0.4756

Deuteranopia

41.9975, 0.4602, 0.4513



Tritanopia

41.7719, 0.3523, 0.3132

Trichromacy



Original Color

41.9824, 0.4414, 0.4681

Protanomaly

42.0601, 0.4344, 0.4727

Deuteranomaly

41.9580, 0.4540, 0.4569

Tritanomaly

41.2049, 0.3948, 0.3781

Monochromacy



Original Color

41.9824, 0.4414, 0.4681

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9694, 0.3651, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9824, 0.4414, 0.4681 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(203, 171, 41)` looks like.

```
.text, #text, p{  
    color:rgb(203, 171, 41)  
}
```

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(203, 171, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 171, 41) }
```

Border

The CSS property to change the border of an element to Yxy 41.9824, 0.4414, 0.4681 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(203, 171, 41) }
```

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

```
.border{ border-color:rgb(203, 171, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 171, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 171, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 171, 41);  
box-shadow:4px 4px 4px 4px rgb(203, 171,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9824, 0.4414, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 171, 41) }
```

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

```
.background{ background-color: rgb(203,  
171, 41) }
```

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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