

Converting Colors

$Y_{xy}(42.2636, 0.4502, 0.4681)$

Have a look what the booklet for
Yxy(42.2636, 0.4502, 0.4681)
contains.

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Color

Yxy(42.2636, 0.4502, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	D0AA20
RGB	208, 170, 32
RGB Percent	82%, 67%, 13%
CMY	0.1843, 0.3333, 0.8748
CMYK	0.00, 0.18, 0.85, 0.18
HSL	47°, 73%, 47%
HSV	47°, 85%, 82%
XYZ	40.6475, 42.2636, 7.3765
YIQ	165.6300, 66.9460, -34.8620

Conversions

Conversions Part 2

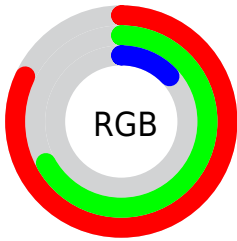
Format	Color
R _Y B	80, 208, 32
Decimal	13675040
CIE Lab	71.05, 1.48, 68.56
CIE LCh	71, 68.574, 88.763
Yxy	42.2636, 0.4502, 0.4681
Android (android.graphics.Color)	4291865120 (0xFFD0AA20)
YUV	165.6300, -65.8796, 37.1585
Hunter-Lab	65.0105, -2.1621, 38.7799

Details

The Yxy color **42.2636, 0.4502, 0.4681** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **9.2313, 0.1684, 0.1098**, and the grayscale version is **38.2427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8831, 0.4196, 0.4542**, and **19.3464, 0.4608, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **40.5318, 0.4596, 0.4702**, and if you desaturate by 10%, it is **44.1282, 0.4378, 0.4613**.

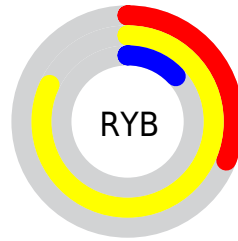
Distribution



Red (82%)

Green (67%)

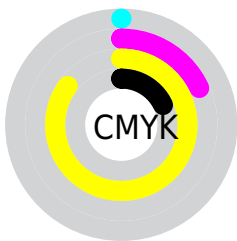
Blue (13%)



Red (31%)

Yellow (82%)

Blue (13%)

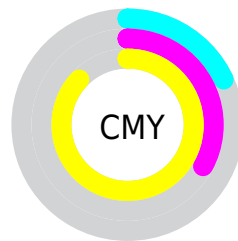


Cyan (0%)

Magenta (18%)

Yellow (85%)

Black (18%)



Cyan (18%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2636, 0.4502, 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 42.2636, 0.4502, 0.4681 by changing the saturation by 10% instead.


 42.2636, 0.4502,
0.4681


 42.2636, 0.4502,
0.4681

355.5745, 0.3880,
0.4059


 29.3078, 0.4616,
0.4792


 78.5984, 0.4303,
0.4484


 19.3138, 0.4734,
0.4905


 102.7462, 0.4220,
0.4401

 11.8972, 0.4886,
0.5048


 131.3934, 0.4146,
0.4327

 6.6737, 0.4928,
0.5072

 164.9244, 0.4080,
0.4261

 3.2589, 0.4942,
0.5058

 203.7236, 0.4022,
0.4202

 1.2683, 0.4968,
0.5032

 248.1754, 0.3969,

 0.1165, 0.5576,

0.4149

0.4424

298.6643, 0.3923,
0.4102

■ 0.0000, 0.0000,
0.0000

■ 42.2636, 0.4502,
0.4681

■ 42.2636, 0.4502,
0.4681

■ 40.5318, 0.4596,
0.4702

■ 44.1282, 0.4378,
0.4613

■ 39.6454, 0.4638,
0.4699

■ 46.1317, 0.4229,
0.4501

■ 48.2861, 0.4062,
0.4351

■ 50.6004, 0.3884,
0.4174

■ 53.0825, 0.3703,
0.3979

■ 55.7395, 0.3526,
0.3777

■ 58.5780, 0.3356,
0.3575

■ 61.6043, 0.3197,
0.3378

■ 64.8242, 0.3050,
0.3191

Harmonies

Analogous

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



42.2636, 0.5002, 0.4010



42.2636, 0.4502, 0.4681



42.2636, 0.3687, 0.5113

Triad

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



42.2636, 0.4502, 0.4681



42.2636, 0.1590, 0.2825



42.2636, 0.3244, 0.2208

Complementary

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



42.2636, 0.4502, 0.4681



9.2313, 0.1684, 0.1098

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.



42.2636, 0.2347, 0.1918



42.2636, 0.4502, 0.4681



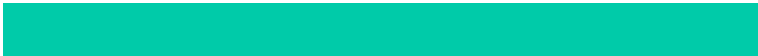
42.2636, 0.1522, 0.2158

Square

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



42.2636, 0.4502, 0.4681



42.2636, 0.2014, 0.3882



42.2636, 0.1770, 0.1885



42.2636, 0.4257, 0.2707

Rectangle

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



42.2636, 0.4502, 0.4681



42.2636, 0.3078, 0.5046



42.2636, 0.1770, 0.1885



42.2636, 0.2916, 0.2085

Sweetspot

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



42.2657, 0.4502, 0.4681



88.0871, 0.3537, 0.3790



14.8826, 0.5556, 0.2992



18.5282, 0.3600, 0.3863



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.



42.2657, 0.4502, 0.4681



62.5554, 0.4644, 0.4694



52.4971, 0.3732, 0.5304



13.3465, 0.3271, 0.3471



24.8552, 0.4631, 0.4705



1.5001, 0.4535, 0.4781

Inverse Universe

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



9.2313, 0.1684, 0.1098



9.9551, 0.1555, 0.0797



7.3692, 0.1851, 0.0888



11.8254, 0.2982, 0.3102



4.1195, 0.1565, 0.0833



0.3498, 0.1661, 0.1181

Previews

White Background



This preview shows how the Yxy color 42.2636, 0.4502, 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 42.2636, 0.4502, 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 42.2636, 0.4502, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 42.2636, 0.4502, 0.4681.



This preview shows how white text looks on a background with the Yxy color 42.2636, 0.4502, 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

42.2636, 0.4502, 0.4681

Protanopia

42.5055, 0.4336, 0.4803

Deuteranopia

42.0917, 0.4645, 0.4550



Tritanopia

42.1077, 0.3594, 0.3146

Trichromacy



Original Color

42.2636, 0.4502, 0.4681

Protanomaly

42.2763, 0.4393, 0.4758

Deuteranomaly

42.2000, 0.4591, 0.4598

Tritanomaly

41.4929, 0.4041, 0.3807

Monochromacy



Original Color

42.2636, 0.4502, 0.4681

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.7455, 0.3711, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2636, 0.4502, 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(208, 170, 32)` looks like.

```
.text, #text, p{  
    color:rgb(208, 170, 32)  
}
```

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(208, 170, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 170, 32) }
```

Border

The CSS property to change the border of an element to Yxy 42.2636, 0.4502, 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(208, 170, 32) }
```

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

```
.border{ border-color:rgb(208, 170, 32) }
```

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

Here you see how a box with a 4 pixel rgb(208, 170, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 170, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 170, 32);  
box-shadow:4px 4px 4px 4px rgb(208, 170,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2636, 0.4502, 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(208, 170, 32) }
```

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

```
.background{ background-color: rgb(208,  
170, 32) }
```

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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