

Converting Colors

$Yxy(41.8304, 0.4711, 0.4516)$

Have a look what the booklet for
Yxy(41.8304, 0.4711, 0.4516)
contains.

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Color

Yxy(41.9866, 0.4712, 0.4518)

Conversions

Conversions Part 1

Format	Color
Hex	DFA320
RGB	223, 163, 32
RGB Percent	87%, 64%, 13%
CMY	0.1255, 0.3608, 0.8749
CMYK	0.00, 0.27, 0.86, 0.13
HSL	41°, 75%, 50%
HSV	41°, 86%, 87%
XYZ	43.7895, 41.9866, 7.1558
YIQ	166.0060, 77.8110, -28.0210

Conversions

Conversions Part 2

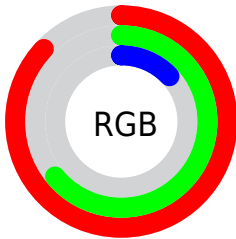
Format	Color
RYB	119, 223, 32
Decimal	14656288
CIELab	70.86, 11.77, 69.05
CIELCh	71, 70.047, 80.328
Yxy	41.9866, 0.4712, 0.4518
Android (android.graphics.Color)	4292846368 (0xFFDFA320)
YUV	166.0060, -66.0650, 49.9837
Hunter-Lab	64.7971, 7.2344, 38.8104

Details

The Yxy color **41.9866, 0.4712, 0.4518** 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 **13.2718, 0.1731, 0.1295**, and the grayscale version is **38.4303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1581, 0.4247, 0.4493**, and **19.3749, 0.4870, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **39.4878, 0.4841, 0.4512**, and if you desaturate by 10%, it is **44.7091, 0.4551, 0.4474**.

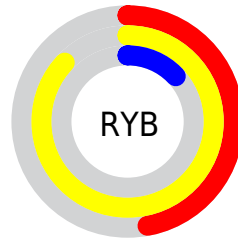
Distribution



Red (87%)

Green (64%)

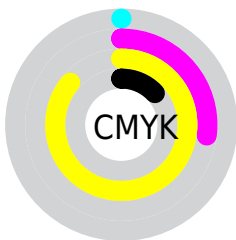
Blue (13%)



Red (47%)

Yellow (87%)

Blue (13%)

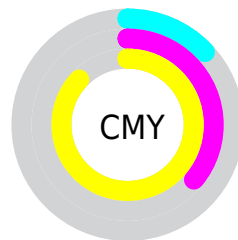


Cyan (0%)

Magenta (27%)

Yellow (86%)

Black (13%)



Cyan (13%)


Magenta (36%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9866, 0.4712, 0.4518 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 41.9866, 0.4712, 0.4518 by changing the saturation by 10% instead.

 41.9866, 0.4712,
0.4518

 41.9866, 0.4712,
0.4518

354.4274, 0.3982,
0.4001

 29.0908, 0.4852,
0.4598


 78.1793, 0.4474,
0.4364


 19.1495, 0.5004,
0.4669


 102.2451, 0.4376,
0.4296


 11.7784, 0.5204,
0.4757


 130.8029, 0.4289,
0.4234

 6.5929, 0.5297,
0.4703

 164.2372, 0.4213,
0.4177

 3.2089, 0.5408,
0.4592

 202.9325, 0.4145,
0.4127

 1.2417, 0.5596,
0.4404

 247.2730, 0.4085,

 0.0954, 0.7985,

0.4081

0.2015

297.6431, 0.4031,
0.4039

■ 0.0000, 0.0000,
0.0000

■ 41.9866, 0.4712,
0.4518

■ 41.9866, 0.4712,
0.4518

■ 39.4878, 0.4841,
0.4512

■ 44.7091, 0.4551,
0.4474

■ 38.4669, 0.4891,
0.4499

■ 47.6653, 0.4365,
0.4382

■ 50.8712, 0.4164,
0.4252

■ 54.3388, 0.3958,
0.4095

■ 58.0789, 0.3755,
0.3921

■ 62.1014, 0.3561,
0.3740

■ 66.4157, 0.3380,
0.3560

■ 71.0305, 0.3214,
0.3386

■ 75.9539, 0.3064,
0.3220

Harmonies

Analogous

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



41.9866, 0.5091, 0.3819



41.9866, 0.4712, 0.4518



41.9866, 0.3945, 0.5077

Triad

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



41.9866, 0.4712, 0.4518



41.9866, 0.1643, 0.3083



41.9866, 0.2960, 0.2080

Complementary

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



41.9866, 0.4712, 0.4518



13.2718, 0.1731, 0.1295

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.



41.9866, 0.2130, 0.1855



41.9866, 0.4712, 0.4518



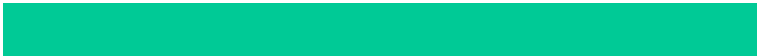
41.9866, 0.1479, 0.2279

Square

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



41.9866, 0.4712, 0.4518



41.9866, 0.2178, 0.4224



41.9866, 0.1642, 0.1901



41.9866, 0.4003, 0.2535

Rectangle

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



41.9866, 0.4712, 0.4518



41.9866, 0.3334, 0.5167



41.9866, 0.1642, 0.1901



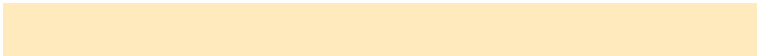
41.9866, 0.2648, 0.1977

Sweetspot

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



41.9887, 0.4712, 0.4518



83.8713, 0.3570, 0.3749



17.4969, 0.5284, 0.2810



17.5367, 0.3637, 0.3813



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.



41.9887, 0.4712, 0.4518



51.8953, 0.4897, 0.4494



63.5692, 0.3881, 0.5207



15.2656, 0.3275, 0.3450



22.8277, 0.4878, 0.4509



1.7403, 0.4747, 0.4613

Inverse Universe

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



13.2718, 0.1731, 0.1295



12.9666, 0.1611, 0.0998



7.5473, 0.1715, 0.0802



13.9420, 0.2981, 0.3125



5.8882, 0.1621, 0.1037



0.5648, 0.1707, 0.1345

Previews

White Background



This preview shows how the Yxy color 41.9866, 0.4712, 0.4518 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 41.9866, 0.4712, 0.4518 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 41.9866, 0.4712, 0.4518

Background



This preview shows how black text looks on a background with the Yxy color 41.9866, 0.4712, 0.4518.



This preview shows how white text looks on a background with the Yxy color 41.9866, 0.4712, 0.4518.

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

41.9866, 0.4712, 0.4518

Protanopia

42.1292, 0.4339, 0.4785

Deuteranopia

42.0693, 0.4658, 0.4566



Tritanopia

41.9238, 0.3810, 0.3165

Trichromacy



Original Color

41.9866, 0.4712, 0.4518

Protanomaly

41.9868, 0.4477, 0.4686

Deuteranomaly

41.8655, 0.4677, 0.4550

Tritanomaly

41.3456, 0.4252, 0.3767

Monochromacy



Original Color

41.9866, 0.4712, 0.4518

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.7594, 0.3781, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9866, 0.4712, 0.4518 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(223, 163, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 163, 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(223, 163, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 163, 32) }
```

Border

The CSS property to change the border of an element to Yxy 41.9866, 0.4712, 0.4518 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(223, 163, 32) }
```

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

```
.border{ border-color:rgb(223, 163, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 163, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 163, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 163, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 163,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9866, 0.4712, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 163, 32) }
```

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

```
.background{ background-color: rgb(223,  
163, 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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