

Converting Colors

$Y_{xy}(45.0055, 0.4626, 0.4593)$

Have a look what the booklet for
Yxy(45.0055, 0.4626, 0.4593)
contains.

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Color

Yxy(44.9181, 0.4626, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	DFAB20
RGB	223, 171, 32
RGB Percent	87%, 67%, 13%
CMY	0.1256, 0.3294, 0.8746
CMYK	0.00, 0.23, 0.86, 0.13
HSL	44°, 75%, 50%
HSV	44°, 86%, 87%
XYZ	45.2507, 44.9181, 7.6494
YIQ	170.7020, 75.6110, -32.2050

Conversions

Conversions Part 2

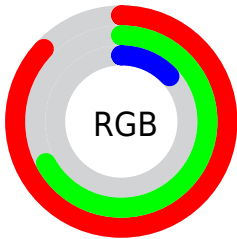
Format	Color
RYB	103, 223, 32
Decimal	14658336
CIELab	72.84, 7.50, 70.64
CIELCh	73, 71.041, 83.941
Yxy	44.9181, 0.4626, 0.4592
Android (android.graphics.Color)	4292848416 (0xFFDFAB20)
YUV	170.7020, -68.3801, 45.8653
Hunter-Lab	67.0210, 3.2315, 40.1477

Details

The Yxy color **44.9181, 0.4626, 0.4592** 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 **11.9653, 0.1703, 0.1194**, and the grayscale version is **40.8880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4254, 0.4190, 0.4550**, and **20.9802, 0.4760, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **42.5975, 0.4738, 0.4595**, and if you desaturate by 10%, it is **47.4302, 0.4483, 0.4540**.

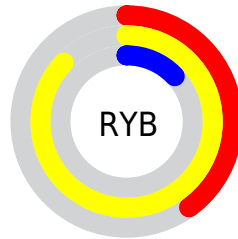
Distribution



Red (87%)

Green (67%)

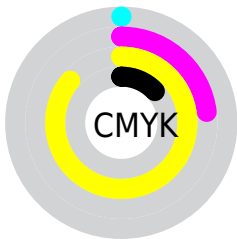
Blue (13%)



Red (40%)

Yellow (87%)

Blue (13%)

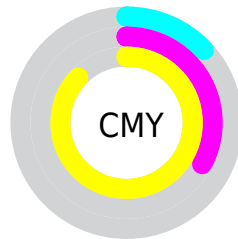


Cyan (0%)

Magenta (23%)

Yellow (86%)

Black (13%)



Cyan (13%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9181, 0.4626, 0.4592 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 44.9181, 0.4626, 0.4592 by changing the saturation by 10% instead.

 44.9181, 0.4626,
0.4592

 44.9181, 0.4626,
0.4592


366.4418, 0.3950,
0.4037


 31.3929, 0.4752,
0.4683


 82.5975, 0.4409,
0.4423


 20.8982, 0.4886,
0.4770


 107.5205, 0.4318,
0.4350

 13.0496, 0.5049,
0.4867


 137.0116, 0.4238,
0.4283

 7.4627, 0.5135,
0.4865

 171.4551, 0.4167,
0.4223

 3.7531, 0.5202,
0.4798

 211.2355, 0.4103,
0.4169

 1.5365, 0.5312,
0.4688

 256.7372, 0.4046,

 0.3142, 0.6052,

0.4120

0.3948

308.3444, 0.3996,
0.4076

■ 0.0000, 0.0000,
0.0000

■ 44.9181, 0.4626,
0.4592

■ 44.9181, 0.4626,
0.4592

■ 42.5975, 0.4738,
0.4595

■ 47.4302, 0.4483,
0.4540

■ 41.6366, 0.4781,
0.4586

■ 50.1427, 0.4314,
0.4441

■ 53.0709, 0.4129,
0.4304

■ 56.2259, 0.3935,
0.4138

■ 59.6180, 0.3741,
0.3956

■ 63.2563, 0.3554,
0.3766

■ 67.1495, 0.3377,
0.3575

■ 71.3056, 0.3214,
0.3391

■ 75.7321, 0.3064,
0.3215

Harmonies

Analogous

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



44.9181, 0.5061, 0.3902



44.9181, 0.4626, 0.4592



44.9181, 0.3835, 0.5103

Triad

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



44.9181, 0.4626, 0.4592



44.9181, 0.1615, 0.2967



44.9181, 0.3081, 0.2131

Complementary

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



44.9181, 0.4626, 0.4592



11.9653, 0.1703, 0.1194

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.



44.9181, 0.2219, 0.1878



44.9181, 0.4626, 0.4592



44.9181, 0.1492, 0.2221

Square

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



44.9181, 0.4626, 0.4592



44.9181, 0.2102, 0.4078



44.9181, 0.1692, 0.1889



44.9181, 0.4117, 0.2607

Rectangle

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



44.9181, 0.4626, 0.4592



44.9181, 0.3223, 0.5127



44.9181, 0.1692, 0.1889



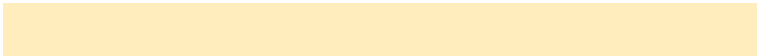
44.9181, 0.2760, 0.2020

Sweetspot

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



44.9203, 0.4626, 0.4592



85.4672, 0.3564, 0.3776



17.3902, 0.5395, 0.2876



17.9182, 0.3628, 0.3843



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.



44.9203, 0.4626, 0.4592



56.2185, 0.4786, 0.4582



62.7657, 0.3831, 0.5245



15.3658, 0.3274, 0.3460



24.6832, 0.4770, 0.4595



1.8573, 0.4661, 0.4681

Inverse Universe

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



11.9653, 0.1703, 0.1194



11.5230, 0.1585, 0.0904



7.7890, 0.1751, 0.0821



13.8471, 0.2981, 0.3114



5.2360, 0.1595, 0.0940



0.5097, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 44.9181, 0.4626, 0.4592 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 44.9181, 0.4626, 0.4592 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 44.9181, 0.4626, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 44.9181, 0.4626, 0.4592.



This preview shows how white text looks on a background with the Yxy color 44.9181, 0.4626, 0.4592.

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

44.9181, 0.4626, 0.4592

Protanopia

44.9122, 0.4350, 0.4793

Deuteranopia

45.0280, 0.4660, 0.4560



Tritanopia

44.7255, 0.3716, 0.3154

Trichromacy



Original Color

44.9181, 0.4626, 0.4592

Protanomaly

44.8621, 0.4456, 0.4717

Deuteranomaly

44.8668, 0.4651, 0.4566

Tritanomaly

44.0444, 0.4171, 0.3789

Monochromacy



Original Color

44.9181, 0.4626, 0.4592

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.4290, 0.3757, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9181, 0.4626, 0.4592 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, 171, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 171, 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, 171, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 171, 32) }
```

Border

The CSS property to change the border of an element to Yxy 44.9181, 0.4626, 0.4592 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, 171, 32) }
```

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

```
.border{ border-color:rgb(223, 171, 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, 171, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 171, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 171, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 171,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9181, 0.4626, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 171, 32) }
```

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

```
.background{ background-color: rgb(223,  
171, 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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