

Converting Colors

$Y_{xy}(41.6266, 0.4592, 0.4436)$

Have a look what the booklet for
Yxy(41.6266, 0.4592, 0.4436)
contains.

Yxy(41.5115, 0.4590, 0.4436)	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(41.5115, 0.4590, 0.4436)

Conversions

Conversions Part 1

Format	Color
Hex	DBA335
RGB	219, 163, 53
RGB Percent	86%, 64%, 21%
CMY	0.1412, 0.3608, 0.7922
CMYK	0.00, 0.26, 0.76, 0.14
HSL	40°, 70%, 53%
HSV	40°, 76%, 86%
XYZ	42.9526, 41.5115, 9.1146
YIQ	167.2040, 68.6860, -22.3380

Conversions

Conversions Part 2

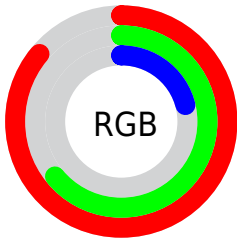
Format	Color
RYB	138, 219, 53
Decimal	14394165
CIELab	70.53, 10.71, 61.71
CIELCh	71, 62.628, 80.154
Yxy	41.5115, 0.4590, 0.4436
Android (android.graphics.Color)	4292584245 (0xFFDBA335)
YUV	167.2040, -56.3026, 45.4251
Hunter-Lab	64.4294, 6.2476, 36.7131

Details

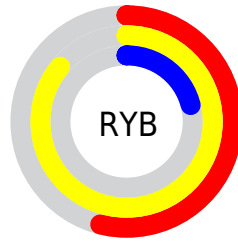
The Yxy color **41.5115, 0.4590, 0.4436** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.8030, 0.1865, 0.1589**, and the grayscale version is **39.0035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4643, 0.4162, 0.4373**, and **18.9593, 0.4824, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **38.8091, 0.4761, 0.4476**, and if you desaturate by 10%, it is **44.4633, 0.4394, 0.4349**.

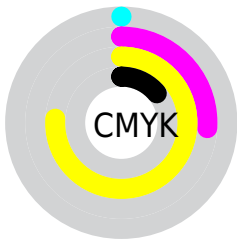
Distribution



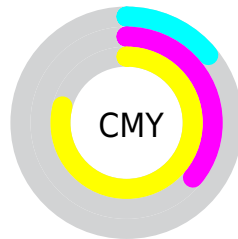
- Red (86%)
- Green (64%)
- Blue (21%)



- Red (54%)
- Yellow (86%)
- Blue (21%)



- Cyan (0%)
- Magenta (26%)
- Yellow (76%)
- Black (14%)





- Cyan (14%)
- Magenta (36%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5115, 0.4590, 0.4436 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 41.5115, 0.4590, 0.4436 by changing the saturation by 10% instead.


 41.5115, 0.4590,
0.4436


 41.5115, 0.4590,
0.4436


352.4539, 0.3898,
0.3932


 28.7190, 0.4733,
0.4524


 77.4598, 0.4358,
0.4278


 18.8683, 0.4893,
0.4612


 101.3843, 0.4264,
0.4211

 11.5752, 0.5075,
0.4693


 129.7883, 0.4182,
0.4151

 6.4551, 0.5263,
0.4737

 163.0561, 0.4111,
0.4097

 3.1237, 0.5366,
0.4634

 201.5722, 0.4048,
0.4049

 1.1967, 0.5542,
0.4458

 245.7209, 0.3992,

 0.0590, 0.8433,

0.4006

0.1567

295.8867, 0.3942,
0.3967

■ 0.0000, 0.0000,
0.0000

■ 41.5115, 0.4590,
0.4436

■ 41.5115, 0.4590,
0.4436

■ 38.8091, 0.4761,
0.4476

■ 44.4633, 0.4394,
0.4349

■ 36.3334, 0.4901,
0.4464

■ 47.6719, 0.4185,
0.4223

■ 35.3524, 0.4953,
0.4449

■ 51.1513, 0.3972,
0.4071

■ 54.9125, 0.3764,
0.3902

■ 58.9654, 0.3566,
0.3727

■ 63.3193, 0.3383,
0.3553

■ 67.9831, 0.3216,
0.3384

■ 72.9650, 0.3066,
0.3224

■ 78.2730, 0.2932,
0.3074

Harmonies

Analogous

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



41.5115, 0.4910, 0.3802



41.5115, 0.4590, 0.4436



41.5115, 0.3902, 0.4909

Triad

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



41.5115, 0.4590, 0.4436



41.5115, 0.1775, 0.3124



41.5115, 0.2978, 0.2178

Complementary

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



41.5115, 0.4590, 0.4436



16.8030, 0.1865, 0.1589

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.



41.5115, 0.2217, 0.1970



41.5115, 0.4590, 0.4436



41.5115, 0.1611, 0.2385

Square

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



41.5115, 0.4590, 0.4436



41.5115, 0.2280, 0.4127



41.5115, 0.1761, 0.2022



41.5115, 0.3913, 0.2601

Rectangle

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



41.5115, 0.4590, 0.4436



41.5115, 0.3345, 0.4963



41.5115, 0.1761, 0.2022



41.5115, 0.2694, 0.2082

Sweetspot

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



41.5136, 0.4590, 0.4436



84.8037, 0.3517, 0.3681



18.7543, 0.4832, 0.2716



17.6863, 0.3586, 0.3745



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.



41.5136, 0.4590, 0.4436



52.6620, 0.4849, 0.4475



62.4010, 0.3906, 0.5052



14.4856, 0.3275, 0.3444



21.1726, 0.4939, 0.4460



1.5284, 0.4787, 0.4581

Inverse Universe

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



16.8030, 0.1865, 0.1589



16.7504, 0.1691, 0.1228



9.2741, 0.1822, 0.0983



13.3314, 0.2981, 0.3131



6.1076, 0.1638, 0.1097



0.5519, 0.1730, 0.1427

Previews

White Background



This preview shows how the Yxy color 41.5115, 0.4590, 0.4436 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 41.5115, 0.4590, 0.4436 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 41.5115, 0.4590, 0.4436

Background



This preview shows how black text looks on a background with the Yxy color 41.5115, 0.4590, 0.4436.



This preview shows how white text looks on a background with the Yxy color 41.5115, 0.4590, 0.4436.

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

41.5115, 0.4590, 0.4436

Protanopia

41.6420, 0.4243, 0.4662

Deuteranopia

41.5597, 0.4562, 0.4457



Tritanopia

41.3056, 0.3760, 0.3151

Trichromacy



Original Color

41.5115, 0.4590, 0.4436

Protanomaly

41.3483, 0.4372, 0.4576

Deuteranomaly

41.7134, 0.4571, 0.4451

Tritanomaly

40.9201, 0.4125, 0.3673

Monochromacy



Original Color

41.5115, 0.4590, 0.4436

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2179, 0.3684, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5115, 0.4590, 0.4436 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(219, 163, 53)` looks like.

```
.text, #text, p{  
    color:rgb(219, 163, 53)  
}
```

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(219, 163, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 163, 53) }
```

Border

The CSS property to change the border of an element to Yxy 41.5115, 0.4590, 0.4436 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(219, 163, 53) }
```

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

```
.border{ border-color:rgb(219, 163, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 163, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 163, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 163, 53);  
box-shadow:4px 4px 4px 4px rgb(219, 163,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5115, 0.4590, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 163, 53) }
```

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

```
.background{ background-color: rgb(219,  
163, 53) }
```

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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