

Converting Colors

$Y_{xy}(41.7342, 0.4321, 0.4081)$

Have a look what the booklet for
Yxy(41.7342, 0.4321, 0.4081)
contains.

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Color

Yxy(41.7089, 0.4321, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	DBA25E
RGB	219, 162, 94
RGB Percent	86%, 64%, 37%
CMY	0.1412, 0.3647, 0.6313
CMYK	0.00, 0.26, 0.57, 0.14
HSL	33°, 63%, 61%
HSV	33°, 57%, 86%
XYZ	44.1509, 41.7089, 16.3178
YIQ	171.2910, 55.8000, -9.0640

Conversions

Conversions Part 2

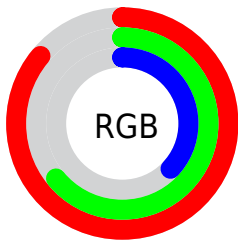
Format	Color
R_{YB}	199, 219, 94
Decimal	14393950
CIE Lab	70.67, 13.65, 43.20
CIE LCh	71, 45.303, 72.458
Yxy	41.7089, 0.4321, 0.4082
Android (android.graphics.Color)	4292584030 (0xFFDBA25E)
YUV	171.2910, -38.1045, 41.8408
Hunter-Lab	64.5824, 9.0100, 30.2272

Details

The Yxy color **41.7089, 0.4321, 0.4082** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **29.6245, 0.2201, 0.2291**, and the grayscale version is **41.0546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9610, 0.3920, 0.4015**, and **18.9184, 0.4641, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **37.9928, 0.4578, 0.4180**, and if you desaturate by 10%, it is **45.8199, 0.4068, 0.3957**.

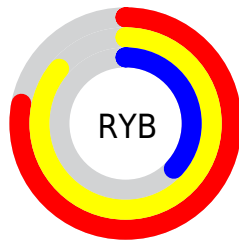
Distribution



Red (86%)

Green (64%)

Blue (37%)



Red (78%)

Yellow (86%)

Blue (37%)

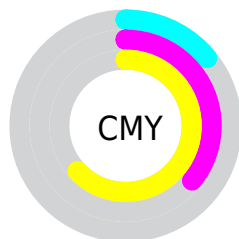


Cyan (0%)

Magenta (26%)

Yellow (57%)

Black (14%)



Cyan (14%)


Magenta (36%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7089, 0.4321, 0.4082 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 41.7089, 0.4321, 0.4082 by changing the saturation by 10% instead.


 41.7089, 0.4321,
0.4082

 41.7089, 0.4321,
0.4082


353.2748, 0.3726,
0.3716


 28.8734, 0.4462,
0.4157


 77.7589, 0.4109,
0.3960

 18.9851, 0.4635,
0.4242


 101.7421, 0.4028,
0.3910

 11.6595, 0.4848,
0.4333


 130.2101, 0.3959,
0.3867

 6.5123, 0.5118,
0.4422

 163.5473, 0.3899,
0.3830

 3.1590, 0.5493,
0.4507

202.1379, 0.3847,
0.3796

 1.2153, 0.5710,
0.4290

246.3664, 0.3802,

 0.0741, 0.8449,

0.3767

0.1551

296.6173, 0.3762,
0.3740

0.0000, 0.0000,
0.0000

41.7089, 0.4321,
0.4082

41.7089, 0.4321,
0.4082

37.9928, 0.4578,
0.4180

45.8199, 0.4068,
0.3957

34.6492, 0.4827,
0.4237

50.3344, 0.3830,
0.3817

31.6622, 0.5052,
0.4245

55.2683, 0.3611,
0.3671

29.0099, 0.5241,
0.4198

60.6345, 0.3414,
0.3525

28.2864, 0.5293,
0.4179

66.4452, 0.3238,
0.3385

■ 72.7122, 0.3084,
0.3252

■ 79.4465, 0.2948,
0.3128

■ 85.7099, 0.2907,
0.3155

■ 91.8120, 0.2910,
0.3258

Harmonies

Analogous

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



41.7089, 0.4426, 0.3601



41.7089, 0.4321, 0.4082



41.7089, 0.3888, 0.4429

Triad

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



41.7089, 0.4321, 0.4082



41.7089, 0.2194, 0.3369



41.7089, 0.2866, 0.2382

Complementary

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



41.7089, 0.4321, 0.4082



29.6245, 0.2201, 0.2291

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.



41.7089, 0.2336, 0.2274



41.7089, 0.4321, 0.4082



41.7089, 0.1982, 0.2762

Square

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



41.7089, 0.4321, 0.4082



41.7089, 0.2657, 0.4042



41.7089, 0.2032, 0.2391



41.7089, 0.3533, 0.2677

Rectangle

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



41.7089, 0.4321, 0.4082



41.7089, 0.3490, 0.4493



41.7089, 0.2032, 0.2391



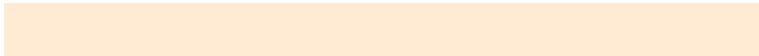
41.7089, 0.2668, 0.2323

Sweetspot

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



41.7109, 0.4321, 0.4082



85.5482, 0.3415, 0.3526



25.3445, 0.4013, 0.2614



17.9717, 0.3453, 0.3555



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.



41.7109, 0.4321, 0.4082



52.8931, 0.4617, 0.4191



65.8816, 0.3907, 0.4653



14.2196, 0.3278, 0.3417



16.9972, 0.5272, 0.4196



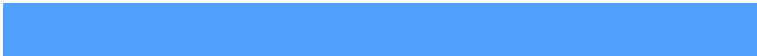
1.2727, 0.5049, 0.4373

Inverse Universe

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



29.6245, 0.2201, 0.2291



34.3645, 0.2035, 0.2046



15.7297, 0.2052, 0.1477



13.5902, 0.2982, 0.3159



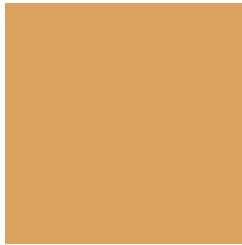
8.6322, 0.1734, 0.1442



0.7301, 0.1821, 0.1754

Previews

White Background



This preview shows how the Yxy color 41.7089, 0.4321, 0.4082 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 41.7089, 0.4321, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

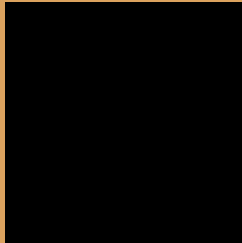
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7089, 0.4321, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 41.7089, 0.4321, 0.4082.



This preview shows how white text looks on a background with the Yxy color 41.7089, 0.4321, 0.4082.

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

41.7089, 0.4321, 0.4082

Protanopia

41.7161, 0.3929, 0.4271

Deuteranopia

41.6976, 0.4240, 0.4151



Tritanopia

41.8354, 0.3734, 0.3162

Trichromacy



Original Color

41.7089, 0.4321, 0.4082

Protanomaly

41.6565, 0.4071, 0.4195

Deuteranomaly

41.7883, 0.4276, 0.4129

Tritanomaly

41.6660, 0.3969, 0.3507

Monochromacy



Original Color

41.7089, 0.4321, 0.4082

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6798, 0.3541, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7089, 0.4321, 0.4082 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, 162, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 162, 94)  
}
```

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, 162, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 162, 94) }
```

Border

The CSS property to change the border of an element to Yxy 41.7089, 0.4321, 0.4082 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, 162, 94) }
```

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

```
.border{ border-color:rgb(219, 162, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 162, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 162, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 162, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 162,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7089, 0.4321, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 162, 94) }
```

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

```
.background{ background-color: rgb(219,  
162, 94) }
```

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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