

Converting Colors

$Y_{xy}(41.1603, 0.4512, 0.4280)$

Have a look what the booklet for
Yxy(41.1603, 0.4512, 0.4280)
contains.

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Color

Yxy(41.1603, 0.4512, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	DCA147
RGB	220, 161, 71
RGB Percent	86%, 63%, 28%
CMY	0.1374, 0.3686, 0.7216
CMYK	0.00, 0.27, 0.68, 0.14
HSL	36°, 68%, 57%
HSV	36°, 68%, 86%
XYZ	43.3914, 41.1603, 11.6172
YIQ	168.3810, 64.0540, -15.4820

Conversions

Conversions Part 2

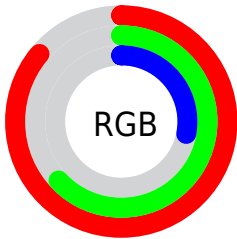
Format	Color
RYB	169, 220, 71
Decimal	14459207
CIELab	70.29, 13.07, 53.91
CIELCh	70, 55.475, 76.376
Yxy	41.1603, 0.4512, 0.4280
Android (android.graphics.Color)	4292649287 (0xFFDCA147)
YUV	168.3810, -48.0088, 45.2699
Hunter-Lab	64.1563, 8.4530, 34.1734

Details

The Yxy color **41.1603, 0.4512, 0.4280** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.4568, 0.2012, 0.1924**, and the grayscale version is **39.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8018, 0.4078, 0.4221**, and **18.7634, 0.4833, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **37.9914, 0.4731, 0.4347**, and if you desaturate by 10%, it is **44.6473, 0.4280, 0.4172**.

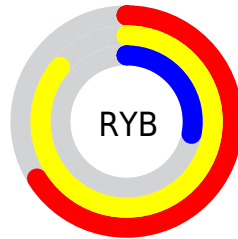
Distribution



Red (86%)

Green (63%)

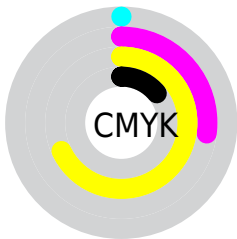
Blue (28%)



Red (66%)

Yellow (86%)

Blue (28%)

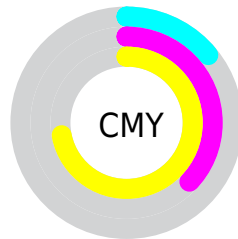


Cyan (0%)

Magenta (27%)

Yellow (68%)

Black (14%)



Cyan (14%)


Magenta (37%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1603, 0.4512, 0.4280 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 41.1603, 0.4512, 0.4280 by changing the saturation by 10% instead.


 41.1603, 0.4512,
0.4280


 41.1603, 0.4512,
0.4280


350.9901, 0.3838,
0.3837

 28.4444, 0.4661,
0.4363


 76.9272, 0.4279,
0.4137


 18.6609, 0.4836,
0.4449


 100.7469, 0.4187,
0.4078

 11.4255, 0.5038,
0.4529


 129.0367, 0.4108,
0.4025

 6.3538, 0.5348,
0.4652

 162.1809, 0.4039,
0.3979

 3.0614, 0.5473,
0.4527

 200.5640, 0.3979,
0.3937

 1.1639, 0.5687,
0.4313

244.5703, 0.3927,

 0.0319, 0.9163,

0.3900

0.0837

294.5842, 0.3880,
0.3867

0.0000, 0.0000,
0.0000

41.1603, 0.4512,
0.4280

41.1603, 0.4512,
0.4280

37.9914, 0.4731,
0.4347

44.6473, 0.4280,
0.4172

35.1186, 0.4924,
0.4364

48.4603, 0.4048,
0.4036

32.5234, 0.5083,
0.4330

52.6142, 0.3824,
0.3882

31.9659, 0.5118,
0.4318

57.1208, 0.3614,
0.3722

61.9911, 0.3422,
0.3561

■ 67.2354, 0.3248,
0.3405

■ 72.8638, 0.3094,
0.3257

■ 78.8855, 0.2956,
0.3119

■ 84.3771, 0.2912,
0.3129

Harmonies

Analogous

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



41.1603, 0.4725, 0.3705



41.1603, 0.4512, 0.4280



41.1603, 0.3934, 0.4708

Triad

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



41.1603, 0.4512, 0.4280



41.1603, 0.1949, 0.3260



41.1603, 0.2901, 0.2244

Complementary

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



41.1603, 0.4512, 0.4280



22.4568, 0.2012, 0.1924

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.



41.1603, 0.2240, 0.2083



41.1603, 0.4512, 0.4280



41.1603, 0.1752, 0.2554

Square

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



41.1603, 0.4512, 0.4280



41.1603, 0.2455, 0.4131



41.1603, 0.1853, 0.2171



41.1603, 0.3727, 0.2612

Rectangle

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



41.1603, 0.4512, 0.4280



41.1603, 0.3439, 0.4778



41.1603, 0.1853, 0.2171



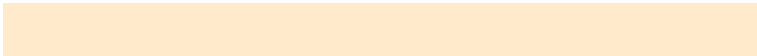
41.1603, 0.2654, 0.2165

Sweetspot

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



41.1623, 0.4512, 0.4280



84.9321, 0.3467, 0.3600



21.3445, 0.4438, 0.2644



17.7625, 0.3521, 0.3645



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.



41.1623, 0.4512, 0.4280



51.4650, 0.4810, 0.4360



64.6175, 0.3926, 0.4887



14.3540, 0.3277, 0.3431



18.9885, 0.5100, 0.4333



1.3966, 0.4913, 0.4481

Inverse Universe

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



22.4568, 0.2012, 0.1924



23.8746, 0.1833, 0.1603



11.6446, 0.1908, 0.1169



13.4584, 0.2981, 0.3145



7.2422, 0.1683, 0.1258



0.6344, 0.1774, 0.1584

Previews

White Background



This preview shows how the Yxy color 41.1603, 0.4512, 0.4280 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 41.1603, 0.4512, 0.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

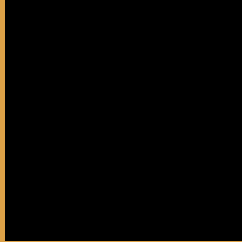
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1603, 0.4512, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 41.1603, 0.4512, 0.4280.



This preview shows how white text looks on a background with the Yxy color 41.1603, 0.4512, 0.4280.

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

41.1603, 0.4512, 0.4280

Protanopia

41.0758, 0.4119, 0.4515

Deuteranopia

41.2893, 0.4435, 0.4349



Tritanopia

40.9463, 0.3774, 0.3151

Trichromacy



Original Color

41.1603, 0.4512, 0.4280

Protanomaly

41.0429, 0.4266, 0.4425

Deuteranomaly

41.2355, 0.4463, 0.4328

Tritanomaly

40.9017, 0.4080, 0.3589

Monochromacy



Original Color

41.1603, 0.4512, 0.4280

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1685, 0.3633, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1603, 0.4512, 0.4280 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(220, 161, 71)` looks like.

```
.text, #text, p{  
    color:rgb(220, 161, 71)  
}
```

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(220, 161, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 161, 71) }
```

Border

The CSS property to change the border of an element to Yxy 41.1603, 0.4512, 0.4280 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(220, 161, 71) }
```

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

```
.border{ border-color:rgb(220, 161, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 161, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 161, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 161, 71);  
box-shadow:4px 4px 4px 4px rgb(220, 161,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1603, 0.4512, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 161, 71) }
```

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

```
.background{ background-color: rgb(220,  
161, 71) }
```

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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