

Converting Colors

$Y_{xy}(42.5093, 0.4580, 0.4627)$

Have a look what the booklet for
Yxy(42.5093, 0.4580, 0.4627)
contains.

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Color

Yxy(42.4003, 0.4581, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	D6A81F
RGB	214, 168, 31
RGB Percent	84%, 66%, 12%
CMY	0.1607, 0.3412, 0.8784
CMYK	0.00, 0.22, 0.86, 0.16
HSL	45°, 75%, 48%
HSV	45°, 86%, 84%
XYZ	41.9878, 42.4003, 7.2684
YIQ	166.1360, 71.3930, -32.8550

Conversions

Conversions Part 2

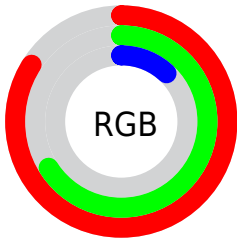
Format	Color
R_{YB}	92, 214, 31
Decimal	14067743
CIE _{Lab}	71.15, 5.17, 69.12
CIE _{LCh}	71, 69.314, 85.721
Yxy	42.4003, 0.4581, 0.4626
Android (android.graphics.Color)	4292257823 (0xFFD6A81F)
YUV	166.1360, -66.6220, 41.9767
Hunter-Lab	65.1155, 1.1484, 38.9628

Details

The Yxy color **42.4003, 0.4581, 0.4626** 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 **10.4635, 0.1694, 0.1154**, and the grayscale version is **38.5084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7907, 0.4214, 0.4533**, and **19.3608, 0.4700, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **40.3776, 0.4686, 0.4635**, and if you desaturate by 10%, it is **44.5843, 0.4446, 0.4569**.

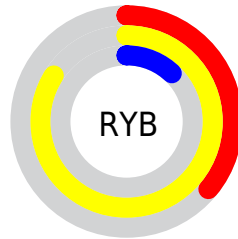
Distribution



Red (84%)

Green (66%)

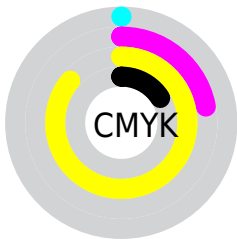
Blue (12%)



Red (36%)

Yellow (84%)

Blue (12%)

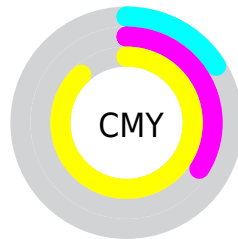


Cyan (0%)

Magenta (22%)

Yellow (86%)

Black (16%)



Cyan (16%)


Magenta (34%)


Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4003, 0.4581, 0.4626 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 42.4003, 0.4581, 0.4626 by changing the saturation by 10% instead.


 42.4003, 0.4581,
0.4626


 42.4003, 0.4581,
0.4626


356.1397, 0.3920,
0.4042


 29.4149, 0.4704,
0.4725


 78.8051, 0.4368,
0.4445

 19.3949, 0.4834,
0.4823


 102.9933, 0.4280,
0.4367


 11.9560, 0.5002,
0.4945


 131.6845, 0.4201,
0.4297

 6.7137, 0.5061,
0.4939

 165.2631, 0.4131,
0.4235

 3.2837, 0.5111,
0.4889

 204.1135, 0.4069,
0.4178

 1.2816, 0.5197,
0.4803

 248.6201, 0.4014,

 0.1269, 0.6605,

0.4128

0.3395

299.1674, 0.3965,
0.4083

0.0000, 0.0000,
0.0000

42.4003, 0.4581,
0.4626

42.4003, 0.4581,
0.4626

40.3776, 0.4686,
0.4635

44.5843, 0.4446,
0.4569

39.5082, 0.4727,
0.4629

46.9370, 0.4285,
0.4465

49.4720, 0.4107,
0.4324

52.1991, 0.3919,
0.4155

55.1273, 0.3731,
0.3968

■ 58.2646, 0.3547,
0.3774

■ 61.6186, 0.3373,
0.3580

■ 65.1962, 0.3211,
0.3390

■ 69.0042, 0.3062,
0.3210

Harmonies

Analogous

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



42.4003, 0.5041, 0.3942



42.4003, 0.4581, 0.4626



42.4003, 0.3780, 0.5109

Triad

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



42.4003, 0.4581, 0.4626



42.4003, 0.1604, 0.2913



42.4003, 0.3141, 0.2159

Complementary

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



42.4003, 0.4581, 0.4626



10.4635, 0.1694, 0.1154

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.



42.4003, 0.2265, 0.1892



42.4003, 0.4581, 0.4626



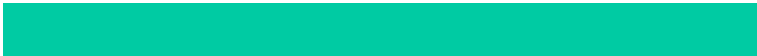
42.4003, 0.1502, 0.2196

Square

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



42.4003, 0.4581, 0.4626



42.4003, 0.2068, 0.4005



42.4003, 0.1720, 0.1887



42.4003, 0.4171, 0.2644

Rectangle

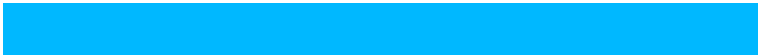
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4003, 0.4581, 0.4626



42.4003, 0.3169, 0.5101



42.4003, 0.1720, 0.1887



42.4003, 0.2817, 0.2043

Sweetspot

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



42.4024, 0.4581, 0.4626



86.2583, 0.3560, 0.3789



15.8580, 0.5436, 0.2905



18.1076, 0.3624, 0.3857



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.



42.4024, 0.4581, 0.4626



58.4592, 0.4733, 0.4624



56.9009, 0.3805, 0.5260



13.9663, 0.3273, 0.3464



24.0466, 0.4717, 0.4637



1.5784, 0.4608, 0.4724

Inverse Universe

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



10.4635, 0.1694, 0.1154



10.9030, 0.1573, 0.0862



7.2824, 0.1775, 0.0838



12.5113, 0.2982, 0.3110



4.6606, 0.1583, 0.0900



0.4142, 0.1677, 0.1238

Previews

White Background



This preview shows how the Yxy color 42.4003, 0.4581, 0.4626 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 42.4003, 0.4581, 0.4626 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 42.4003, 0.4581, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 42.4003, 0.4581, 0.4626.



This preview shows how white text looks on a background with the Yxy color 42.4003, 0.4581, 0.4626.

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

42.4003, 0.4581, 0.4626

Protanopia

42.5055, 0.4336, 0.4803

Deuteranopia

42.2357, 0.4660, 0.4552



Tritanopia

42.1337, 0.3668, 0.3149

Trichromacy



Original Color

42.4003, 0.4581, 0.4626

Protanomaly

42.3058, 0.4435, 0.4733

Deuteranomaly

42.2821, 0.4635, 0.4578

Tritanomaly

41.5097, 0.4121, 0.3796

Monochromacy



Original Color

42.4003, 0.4581, 0.4626

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9891, 0.3731, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4003, 0.4581, 0.4626 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(214, 168, 31)` looks like.

```
.text, #text, p{  
    color:rgb(214, 168, 31)  
}
```

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(214, 168, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 168, 31) }
```

Border

The CSS property to change the border of an element to Yxy 42.4003, 0.4581, 0.4626 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(214, 168, 31) }
```

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

```
.border{ border-color:rgb(214, 168, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 168, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 168, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 168, 31);  
box-shadow:4px 4px 4px 4px rgb(214, 168,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4003, 0.4581, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 168, 31) }
```

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

```
.background{ background-color: rgb(214,  
168, 31) }
```

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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