

Converting Colors

$Y_{xy}(42.4663, 0.4446, 0.4354)$

Have a look what the booklet for
Yxy(42.4663, 0.4446, 0.4354)
contains.

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Color

Yxy(42.4663, 0.4446, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	D9A646
RGB	217, 166, 70
RGB Percent	85%, 65%, 27%
CMY	0.1489, 0.3490, 0.7255
CMYK	0.00, 0.24, 0.68, 0.15
HSL	39°, 66%, 56%
HSV	39°, 68%, 85%
XYZ	43.3636, 42.4663, 11.7041
YIQ	170.3050, 61.2120, -19.0440

Conversions

Conversions Part 2

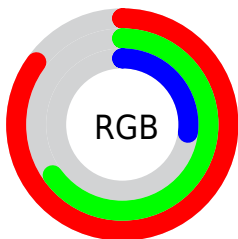
Format	Color
RYB	148, 217, 70
Decimal	14263878
CIELab	71.19, 9.09, 55.24
CIELCh	71, 55.978, 80.653
Yxy	42.4663, 0.4446, 0.4354
Android (android.graphics.Color)	4292453958 (0xFFD9A646)
YUV	170.3050, -49.4504, 40.9515
Hunter-Lab	65.1662, 4.7387, 34.9676

Details

The Yxy color **42.4663, 0.4446, 0.4354** 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 **19.9955, 0.1986, 0.1813**, and the grayscale version is **40.5891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4030, 0.4051, 0.4265**, and **19.3303, 0.4746, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **39.5830, 0.4642, 0.4431**, and if you desaturate by 10%, it is **45.6132, 0.4234, 0.4237**.

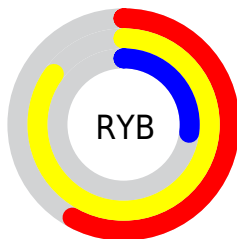
Distribution



Red (85%)

Green (65%)

Blue (27%)



Red (58%)

Yellow (85%)

Blue (27%)

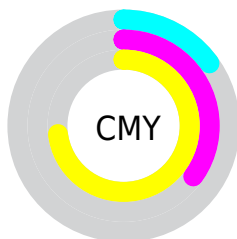


Cyan (0%)

Magenta (24%)

Yellow (68%)

Black (15%)



Cyan (15%)


Magenta (35%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4663, 0.4446, 0.4354 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 42.4663, 0.4446, 0.4354 by changing the saturation by 10% instead.


 42.4663, 0.4446,
0.4354


 42.4663, 0.4446,
0.4354


356.4123, 0.3812,
0.3871


 29.4666, 0.4583,
0.4447


 78.9049, 0.4229,
0.4196

 19.4341, 0.4743,
0.4548


 103.1125, 0.4143,
0.4131


 11.9843, 0.4923,
0.4646


 131.8249, 0.4068,
0.4074

 6.7330, 0.5201,
0.4799

 165.4265, 0.4003,
0.4024

 3.2957, 0.5286,
0.4714

 204.3016, 0.3947,
0.3979

 1.2880, 0.5432,
0.4568

248.8347, 0.3896,

 0.1319, 0.7248,

0.3939

0.2752

299.4101, 0.3852,
0.3903

0.0000, 0.0000,
0.0000

42.4663, 0.4446,
0.4354

42.4663, 0.4446,
0.4354

39.5830, 0.4642,
0.4431

45.6132, 0.4234,
0.4237

36.9432, 0.4812,
0.4459

49.0296, 0.4018,
0.4091

34.5303, 0.4950,
0.4436

52.7288, 0.3806,
0.3927

34.0126, 0.4980,
0.4428

56.7209, 0.3605,
0.3755

61.0152, 0.3418,
0.3582

■ 65.6208, 0.3248,
0.3414

■ 70.5459, 0.3094,
0.3255

■ 75.7987, 0.2957,
0.3106

■ 80.7040, 0.2892,
0.3070

Harmonies

Analogous

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



42.4663, 0.4721, 0.3789



42.4663, 0.4446, 0.4354



42.4663, 0.3832, 0.4740

Triad

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



42.4663, 0.4446, 0.4354



42.4663, 0.1904, 0.3142



42.4663, 0.3013, 0.2286

Complementary

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



42.4663, 0.4446, 0.4354



19.9955, 0.1986, 0.1813

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.



42.4663, 0.2320, 0.2093



42.4663, 0.4446, 0.4354



42.4663, 0.1750, 0.2480

Square

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



42.4663, 0.4446, 0.4354



42.4663, 0.2367, 0.4011



42.4663, 0.1892, 0.2143



42.4663, 0.3842, 0.2679

Rectangle

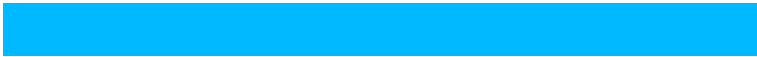
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.4663, 0.4446, 0.4354



42.4663, 0.3329, 0.4758



42.4663, 0.1892, 0.2143



42.4663, 0.2757, 0.2197

Sweetspot

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



42.4684, 0.4446, 0.4354



86.3604, 0.3462, 0.3624



20.5276, 0.4560, 0.2729



18.1060, 0.3515, 0.3673



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.



42.4684, 0.4446, 0.4354



55.4701, 0.4714, 0.4448



61.6824, 0.3866, 0.4925



14.4634, 0.3275, 0.3442



20.7874, 0.4965, 0.4439



1.5054, 0.4808, 0.4565

Inverse Universe

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



19.9955, 0.1986, 0.1813



21.3272, 0.1798, 0.1474



11.6687, 0.1958, 0.1194



13.3527, 0.2981, 0.3133



6.2841, 0.1645, 0.1123



0.5650, 0.1737, 0.1453

Previews

White Background



This preview shows how the Yxy color 42.4663, 0.4446, 0.4354 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 42.4663, 0.4446, 0.4354 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 42.4663, 0.4446, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 42.4663, 0.4446, 0.4354.



This preview shows how white text looks on a background with the Yxy color 42.4663, 0.4446, 0.4354.

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

42.4663, 0.4446, 0.4354

Protanopia

42.6103, 0.4131, 0.4539

Deuteranopia

42.4663, 0.4446, 0.4354



Tritanopia

42.4514, 0.3688, 0.3150

Trichromacy



Original Color

42.4663, 0.4446, 0.4354

Protanomaly

42.5295, 0.4239, 0.4476

Deuteranomaly

42.4663, 0.4446, 0.4354

Tritanomaly

42.1797, 0.4005, 0.3628

Monochromacy



Original Color

42.4663, 0.4446, 0.4354

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.6620, 0.3610, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4663, 0.4446, 0.4354 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(217, 166, 70)` looks like.

```
.text, #text, p{  
    color:rgb(217, 166, 70)  
}
```

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(217, 166, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 166, 70) }
```

Border

The CSS property to change the border of an element to Yxy 42.4663, 0.4446, 0.4354 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(217, 166, 70) }
```

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

```
.border{ border-color:rgb(217, 166, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 166, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 166, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 166, 70);  
box-shadow:4px 4px 4px 4px rgb(217, 166,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.4663, 0.4446, 0.4354$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 166, 70) }
```

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

```
.background{ background-color: rgb(217,  
166, 70) }
```

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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