

Converting Colors

$Y_{xy}(43.5376, 0.4290, 0.4587)$

Have a look what the booklet for
Yxy(43.5376, 0.4290, 0.4587)
contains.

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Color

Yxy(43.6934, 0.4286, 0.4590)

Conversions

Conversions Part 1

Format	Color
Hex	CBAF3D
RGB	203, 175, 61
RGB Percent	80%, 69%, 24%
CMY	0.2040, 0.3137, 0.7607
CMYK	0.00, 0.14, 0.70, 0.20
HSL	48°, 58%, 52%
HSV	48°, 70%, 80%
XYZ	40.7995, 43.6934, 10.6996
YIQ	170.3760, 53.2820, -29.5180

Conversions

Conversions Part 2

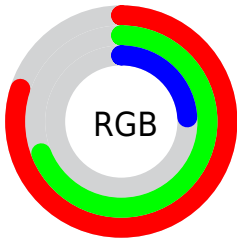
Format	Color
R _Y B	96, 203, 61
Decimal	13348669
CIE Lab	72.02, -2.24, 59.47
CIE LCh	72, 59.513, 92.153
Yxy	43.6934, 0.4286, 0.4590
Android (android.graphics.Color)	4291538749 (0xFFCBAF3D)
YUV	170.3760, -53.9224, 28.6112
Hunter-Lab	66.1010, -5.5011, 36.6735

Details

The Yxy color **43.6934, 0.4286, 0.4590** 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 **12.4483, 0.1876, 0.1435**, and the grayscale version is **40.6521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0914, 0.4049, 0.4409**, and **20.1857, 0.4482, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **41.9820, 0.4415, 0.4683**, and if you desaturate by 10%, it is **45.5379, 0.4134, 0.4456**.

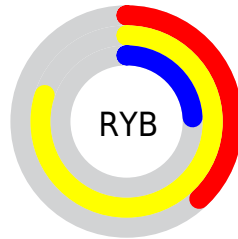
Distribution



Red (80%)

Green (69%)

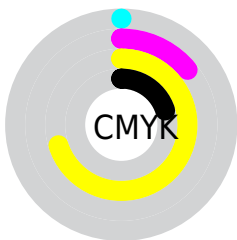
Blue (24%)



Red (38%)

Yellow (80%)

Blue (24%)

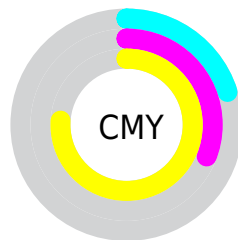


Cyan (0%)

Magenta (14%)

Yellow (70%)

Black (20%)



Cyan (20%)


Magenta (31%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6934, 0.4286, 0.4590 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 43.6934, 0.4286, 0.4590 by changing the saturation by 10% instead.


 43.6934, 0.4286,
0.4590


 43.6934, 0.4286,
0.4590


361.4557, 0.3750,
0.3980


 30.4295, 0.4393,
0.4715


 80.7562, 0.4109,
0.4385

 20.1649, 0.4511,
0.4856


 105.3239, 0.4036,
0.4303


 12.5149, 0.4631,
0.5006


 134.4284, 0.3973,
0.4231

 7.0954, 0.4792,
0.5208

 168.4540, 0.3917,
0.4168

 3.5218, 0.4770,
0.5230

 207.7851, 0.3868,
0.4112

 1.4099, 0.4733,
0.5267

252.8062, 0.3824,

 0.2240, 0.4141,

0.4063

0.5859

303.9016, 0.3785,
0.4019

0.0000, 0.0000,
0.0000

43.6934, 0.4286,
0.4590

43.6934, 0.4286,
0.4590

41.9820, 0.4415,
0.4683

45.5379, 0.4134,
0.4456

40.3870, 0.4517,
0.4729

47.5180, 0.3966,
0.4289

38.8918, 0.4593,
0.4735

49.6435, 0.3791,
0.4100

38.8834, 0.4593,
0.4735

51.9214, 0.3614,
0.3897

54.3581, 0.3443,
0.3690

■ 56.9594, 0.3279,
0.3486

■ 59.7311, 0.3126,
0.3289

■ 62.6782, 0.2986,
0.3103

■ 65.8059, 0.2858,
0.2929

Harmonies

Analogous

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



43.6934, 0.4741, 0.4034



43.6934, 0.4286, 0.4590



43.6934, 0.3559, 0.4863

Triad

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



43.6934, 0.4286, 0.4590



43.6934, 0.1750, 0.2823



43.6934, 0.3336, 0.2377

Complementary

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



43.6934, 0.4286, 0.4590



12.4483, 0.1876, 0.1435

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.



43.6934, 0.2528, 0.2091



43.6934, 0.4286, 0.4590



43.6934, 0.1713, 0.2264

Square

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



43.6934, 0.4286, 0.4590



43.6934, 0.2105, 0.3693



43.6934, 0.1973, 0.2039



43.6934, 0.4188, 0.2847

Rectangle

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



43.6934, 0.4286, 0.4590



43.6934, 0.3021, 0.4726



43.6934, 0.1973, 0.2039



43.6934, 0.3047, 0.2258

Sweetspot

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



43.6955, 0.4286, 0.4590



90.4680, 0.3465, 0.3718



16.7625, 0.5005, 0.2984



19.1158, 0.3513, 0.3776



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.



43.6955, 0.4286, 0.4590



68.8973, 0.4472, 0.4712



50.5597, 0.3693, 0.5078



12.7063, 0.3270, 0.3475



24.8772, 0.4587, 0.4740



1.3818, 0.4496, 0.4812

Inverse Universe

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



12.4483, 0.1876, 0.1435



13.8767, 0.1670, 0.1051



10.5700, 0.2100, 0.1225



11.1961, 0.2982, 0.3098



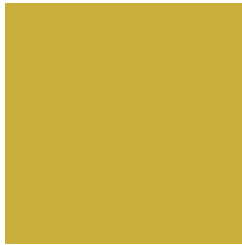
3.8134, 0.1556, 0.0803



0.3052, 0.1656, 0.1160

Previews

White Background



This preview shows how the Yxy color 43.6934, 0.4286, 0.4590 looks on a white background.

Color Contrast Check

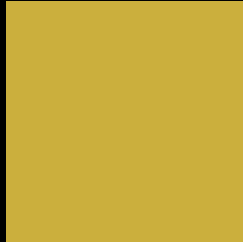
Large Text (above 18pt) WCAG AA × Fail

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 43.6934, 0.4286, 0.4590 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 43.6934, 0.4286, 0.4590

Background



This preview shows how black text looks on a background with the Yxy color 43.6934, 0.4286, 0.4590.

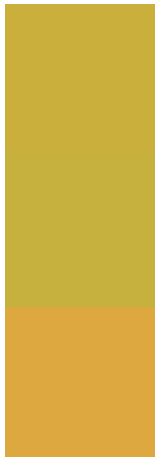


This preview shows how white text looks on a background with the Yxy color 43.6934, 0.4286, 0.4590.

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

43.6934, 0.4286, 0.4590

Protanopia

43.7978, 0.4216, 0.4630

Deuteranopia

43.7363, 0.4506, 0.4407



Tritanopia

43.6826, 0.3474, 0.3145

Trichromacy



Original Color

43.6934, 0.4286, 0.4590

Protanomaly

43.6778, 0.4244, 0.4609

Deuteranomaly

43.7698, 0.4420, 0.4482

Tritanomaly

43.2818, 0.3830, 0.3717

Monochromacy



Original Color

43.6934, 0.4286, 0.4590

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.0618, 0.3586, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6934, 0.4286, 0.4590 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(203, 175, 61)` looks like.

```
.text, #text, p{  
    color:rgb(203, 175, 61)  
}
```

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(203, 175, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 175, 61) }
```

Border

The CSS property to change the border of an element to Yxy 43.6934, 0.4286, 0.4590 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(203, 175, 61) }
```

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

```
.border{ border-color:rgb(203, 175, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 175, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 175, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 175, 61);  
box-shadow:4px 4px 4px 4px rgb(203, 175,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6934, 0.4286, 0.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 175, 61) }
```

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

```
.background{ background-color: rgb(203,  
175, 61) }
```

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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