

Converting Colors

$Y_{xy}(42.7449, 0.3644, 0.3525)$

Have a look what the booklet for
Yxy(42.7449, 0.3644, 0.3525)
contains.

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Color

Yxy(42.6447, 0.3645, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	CCA795
RGB	204, 167, 149
RGB Percent	80%, 65%, 58%
CMY	0.1999, 0.3451, 0.4158
CMYK	0.00, 0.18, 0.27, 0.20
HSL	20°, 35%, 69%
HSV	20°, 27%, 80%
XYZ	44.1465, 42.6447, 34.3241
YIQ	176.0110, 27.8300, 2.2460

Conversions

Conversions Part 2

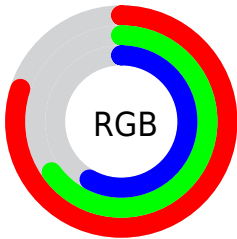
Format	Color
R _Y B	204, 176, 149
Decimal	13412245
CIE Lab	71.31, 10.87, 14.42
CIE LCh	71, 18.060, 53.001
Yxy	42.6447, 0.3645, 0.3521
Android (android.graphics.Color)	4291602325 (0xFFCCA795)
YUV	176.0110, -13.3164, 24.5464
Hunter-Lab	65.3029, 6.3907, 14.5484

Details

The Yxy color **42.6447, 0.3645, 0.3521** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8574, 0.2713, 0.3046**, and the grayscale version is **43.4825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8143, 0.3498, 0.3484**, and **19.5329, 0.3804, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **37.2886, 0.3901, 0.3611**, and if you desaturate by 10%, it is **48.6521, 0.3426, 0.3432**.

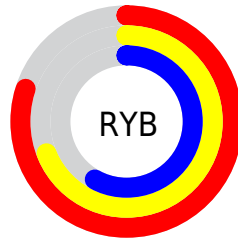
Distribution



Red (80%)

Green (65%)

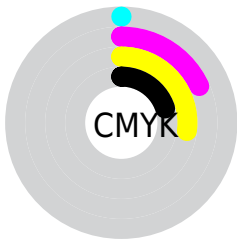
Blue (58%)



Red (80%)

Yellow (69%)

Blue (58%)

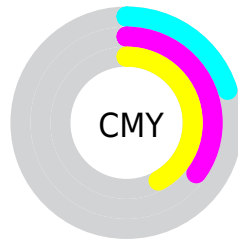


Cyan (0%)

Magenta (18%)

Yellow (27%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6447, 0.3645, 0.3521 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 42.6447, 0.3645, 0.3521 by changing the saturation by 10% instead.


 42.6447, 0.3645,
0.3521

 42.6447, 0.3645,
0.3521


357.1486, 0.3380,
0.3409

 29.6064, 0.3713,
0.3548


 79.1744, 0.3548,
0.3481

 19.5401, 0.3801,
0.3581


 103.4347, 0.3511,
0.3466

 12.0612, 0.3919,
0.3624


132.2044, 0.3481,
0.3453

 6.7853, 0.4086,
0.3679

165.8679, 0.3455,
0.3442

 3.3282, 0.4340,
0.3753

204.8097, 0.3432,
0.3432

 1.3054, 0.4933,
0.3983

249.4142, 0.3413,

 0.1454, 0.7351,

0.3423

0.2649

300.0657, 0.3396,
0.3416

0.0000, 0.0000,
0.0000

42.6447, 0.3645,
0.3521

42.6447, 0.3645,
0.3521

37.2886, 0.3901,
0.3611

48.6521, 0.3426,
0.3432

32.5554, 0.4194,
0.3697

55.3262, 0.3240,
0.3346

28.4231, 0.4523,
0.3770

62.6893, 0.3082,
0.3267

24.8663, 0.4875,
0.3820

70.7608, 0.2949,
0.3193

21.8572, 0.5231,
0.3834

79.5594, 0.2836,
0.3125

■ 19.3656, 0.5560,
0.3801

■ 88.0029, 0.2823,
0.3230

■ 17.3566, 0.5830,
0.3721

■ 91.5797, 0.2827,
0.3289

■ 16.8346, 0.5904,
0.3694

Harmonies

Analogous

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



42.6447, 0.3577, 0.3306



42.6447, 0.3645, 0.3521



42.6447, 0.3567, 0.3688

Triad

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



42.6447, 0.3645, 0.3521



42.6447, 0.2868, 0.3493



42.6447, 0.2875, 0.2861

Complementary

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



42.6447, 0.3645, 0.3521



45.8574, 0.2713, 0.3046

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.



42.6447, 0.2699, 0.2890



42.6447, 0.3645, 0.3521



42.6447, 0.2695, 0.3248

Square

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



42.6447, 0.3645, 0.3521



42.6447, 0.3114, 0.3683



42.6447, 0.2635, 0.3027



42.6447, 0.3124, 0.2936

Rectangle

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



42.6447, 0.3645, 0.3521



42.6447, 0.3446, 0.3745



42.6447, 0.2635, 0.3027



42.6447, 0.2806, 0.2858

Sweetspot

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



42.6467, 0.3645, 0.3521



90.3134, 0.3259, 0.3356



37.8944, 0.3321, 0.2823



18.9588, 0.3286, 0.3368



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.



42.6467, 0.3645, 0.3521



65.6625, 0.3779, 0.3570



53.5585, 0.3561, 0.3845



11.8039, 0.3282, 0.3367



10.7463, 0.5878, 0.3714



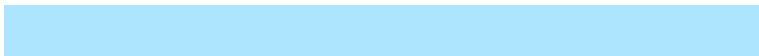
0.6928, 0.5493, 0.4021

Inverse Universe

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



45.8574, 0.2713, 0.3046



71.7841, 0.2632, 0.2990



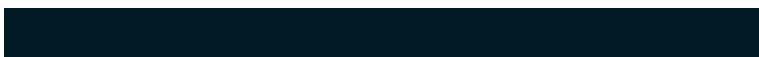
35.5638, 0.2676, 0.2666



12.0834, 0.2983, 0.3212



14.2114, 0.1942, 0.2192



0.8680, 0.2009, 0.2431

Previews

White Background



This preview shows how the Yxy color 42.6447, 0.3645, 0.3521 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 42.6447, 0.3645, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

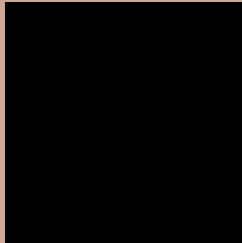
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6447, 0.3645, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 42.6447, 0.3645, 0.3521.



This preview shows how white text looks on a background with the Yxy color 42.6447, 0.3645, 0.3521.

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

42.6447, 0.3645, 0.3521

Protanopia

42.6393, 0.3388, 0.3574

Deuteranopia

42.5927, 0.3612, 0.3536



Tritanopia

42.5944, 0.3429, 0.3130

Trichromacy



Original Color

42.6447, 0.3645, 0.3521

Protanomaly

42.4692, 0.3480, 0.3542

Deuteranomaly

42.7317, 0.3622, 0.3535

Tritanomaly

42.4259, 0.3511, 0.3266

Monochromacy



Original Color

42.6447, 0.3645, 0.3521

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0794, 0.3305, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6447, 0.3645, 0.3521 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(204, 167, 149)` looks like.

```
.text, #text, p{  
    color:rgb(204, 167, 149)  
}
```

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(204, 167, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 167, 149) }
```

Border

The CSS property to change the border of an element to Yxy 42.6447, 0.3645, 0.3521 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(204, 167, 149) }
```

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

```
.border{ border-color:rgb(204, 167, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 167, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 167, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 167, 149);  
box-shadow:4px 4px 4px 4px rgb(204, 167,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6447, 0.3645, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 167, 149) }
```

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

```
.background{ background-color: rgb(204,  
167, 149) }
```

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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