

Converting Colors

$Yxy(48.9216, 0.3470, 0.3515)$

Have a look what the booklet for
Yxy(48.9216, 0.3470, 0.3515)
contains.

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Color

Yxy(48.9736, 0.3469, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	CCB6A4
RGB	204, 182, 164
RGB Percent	80%, 71%, 64%
CMY	0.1999, 0.2863, 0.3569
CMYK	0.00, 0.11, 0.20, 0.20
HSL	27°, 28%, 72%
HSV	27°, 20%, 80%
XYZ	48.3327, 48.9736, 42.0212
YIQ	186.5260, 18.8900, -0.9340

Conversions

Conversions Part 2

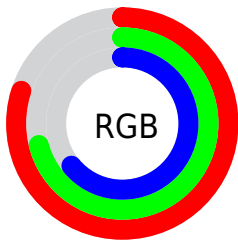
Format	Color
RYB	204, 197, 164
Decimal	13416100
CIELab	75.43, 4.97, 12.03
CIElCh	75, 13.021, 67.542
Yxy	48.9736, 0.3469, 0.3515
Android (android.graphics.Color)	4291606180 (0xFFCCB6A4)
YUV	186.5260, -11.1053, 15.3247
Hunter-Lab	69.9811, 0.8146, 13.3853

Details

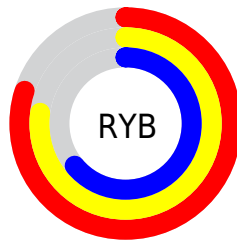
The Yxy color $48.9736, 0.3469, 0.3515$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $47.3705, 0.2822, 0.3054$, and the grayscale version is $49.4705, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.5235, 0.3363, 0.3479$, and $23.2599, 0.3563, 0.3577$ is the 20% darker color. If you saturate the color by 10%, you get $43.8835, 0.3682, 0.3637$, and if you desaturate by 10%, it is $54.5546, 0.3283, 0.3397$.

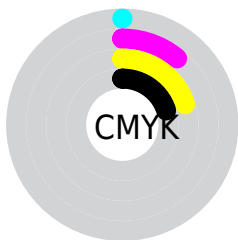
Distribution



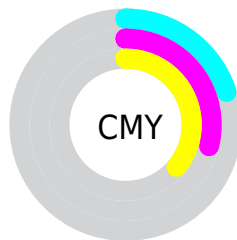
- Red (80%)
- Green (71%)
- Blue (64%)



- Red (80%)
- Yellow (77%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9736, 0.3469, 0.3515 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 48.9736, 0.3469, 0.3515 by changing the saturation by 10% instead.


 48.9736, 0.3469,
0.3515


 48.9736, 0.3469,
0.3515


382.6384, 0.3299,
0.3405

 34.5985, 0.3511,
0.3542


 88.6522, 0.3407,
0.3476

 23.3538, 0.3565,
0.3575


 114.7246, 0.3384,
0.3461

 14.8550, 0.3637,
0.3619


145.4649, 0.3364,
0.3448

 8.7177, 0.3736,
0.3678

181.2574, 0.3348,
0.3437

 4.5575, 0.3883,
0.3762

222.4867, 0.3333,
0.3428

 1.9900, 0.4118,
0.3888

269.5370, 0.3320,

 0.6017, 0.5354,

0.3419

0.4646

322.7927, 0.3309,
0.3412

0.0000, 0.0000,
0.0000

48.9736, 0.3469,
0.3515

48.9736, 0.3469,
0.3515

43.8835, 0.3682,
0.3637

54.5546, 0.3283,
0.3397

39.2636, 0.3923,
0.3758

60.6335, 0.3121,
0.3286

35.1010, 0.4191,
0.3873

67.2254, 0.2982,
0.3182

31.3798, 0.4480,
0.3970

74.3428, 0.2861,
0.3087

28.0829, 0.4778,
0.4039

81.2690, 0.2816,
0.3111

■ 25.1919, 0.5069,
0.4066

■ 88.0115, 0.2823,
0.3230

■ 22.6861, 0.5333,
0.4041

■ 91.5795, 0.2827,
0.3289

■ 20.5367, 0.5555,
0.3967

■ 20.4610, 0.5564,
0.3964

Harmonies

Analogous

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



48.9736, 0.3470, 0.3379



48.9736, 0.3469, 0.3515



48.9736, 0.3374, 0.3596

Triad

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



48.9736, 0.3469, 0.3515



48.9736, 0.2882, 0.3350



48.9736, 0.3034, 0.3007

Complementary

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



48.9736, 0.3469, 0.3515



47.3705, 0.2822, 0.3054

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.



48.9736, 0.2881, 0.2993



48.9736, 0.3469, 0.3515



48.9736, 0.2796, 0.3185

Square

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



48.9736, 0.3469, 0.3515



48.9736, 0.3033, 0.3503



48.9736, 0.2796, 0.3056



48.9736, 0.3215, 0.3091

Rectangle

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



48.9736, 0.3469, 0.3515



48.9736, 0.3271, 0.3605



48.9736, 0.2796, 0.3056



48.9736, 0.2978, 0.2993

Sweetspot

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



48.9758, 0.3469, 0.3515



93.8016, 0.3223, 0.3357



42.9316, 0.3307, 0.3018



19.9370, 0.3234, 0.3364



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.



48.9758, 0.3469, 0.3515



77.0392, 0.3566, 0.3572



57.7671, 0.3424, 0.3751



12.0311, 0.3279, 0.3395



13.0567, 0.5540, 0.3983



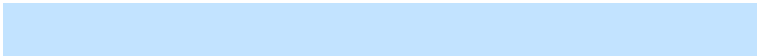
0.8244, 0.5212, 0.4244

Inverse Universe

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



47.3705, 0.2822, 0.3054



73.8525, 0.2747, 0.2990



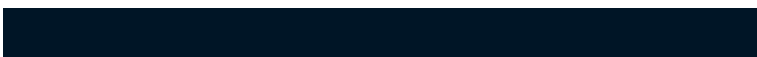
39.5203, 0.2805, 0.2783



11.8497, 0.2983, 0.3183



10.2535, 0.1822, 0.1760



0.6792, 0.1913, 0.2087

Previews

White Background



This preview shows how the Yxy color 48.9736, 0.3469, 0.3515 looks on a white background.

Color Contrast Check

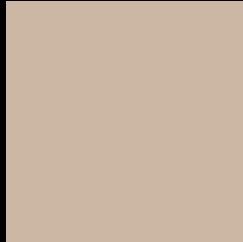
Large Text (above 18pt) WCAG AA × Fail

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 48.9736, 0.3469, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

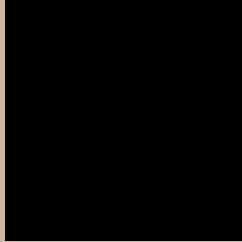
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9736, 0.3469, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 48.9736, 0.3469, 0.3515.



This preview shows how white text looks on a background with the Yxy color 48.9736, 0.3469, 0.3515.

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

48.9736, 0.3469, 0.3515

Protanopia

48.9204, 0.3357, 0.3533

Deuteranopia

48.9539, 0.3540, 0.3461



Tritanopia

49.0565, 0.3274, 0.3122

Trichromacy



Original Color

48.9736, 0.3469, 0.3515

Protanomaly

49.0034, 0.3402, 0.3531

Deuteranomaly

48.9144, 0.3510, 0.3475

Tritanomaly

48.8830, 0.3348, 0.3254

Monochromacy



Original Color

48.9736, 0.3469, 0.3515

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.2901, 0.3242, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9736, 0.3469, 0.3515 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, 182, 164)` looks like.

```
.text, #text, p{  
    color:rgb(204, 182, 164)  
}
```

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, 182, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 182, 164) }
```

Border

The CSS property to change the border of an element to Yxy 48.9736, 0.3469, 0.3515 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, 182, 164) }
```

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

```
.border{ border-color:rgb(204, 182, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 182, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 182, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 182, 164);  
box-shadow:4px 4px 4px 4px rgb(204, 182,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9736, 0.3469, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 182, 164) }
```

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

```
.background{ background-color: rgb(204,  
182, 164) }
```

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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