

Converting Colors

$Y_{xy}(49.6276, 0.3421, 0.3503)$

Have a look what the booklet for
Yxy(49.6276, 0.3421, 0.3503)
contains.

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Color

Yxy(49.6276, 0.3421, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	CAB8A7
RGB	202, 184, 167
RGB Percent	79%, 72%, 65%
CMY	0.2080, 0.2784, 0.3451
CMYK	0.00, 0.09, 0.17, 0.21
HSL	29°, 25%, 72%
HSV	29°, 17%, 79%
XYZ	48.4659, 49.6276, 43.5782
YIQ	187.4440, 16.1850, -1.4710

Conversions

Conversions Part 2

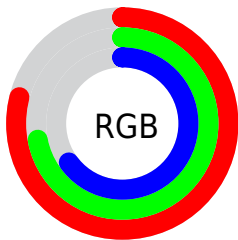
Format	Color
RYB	202, 200, 167
Decimal	13285543
CIELab	75.84, 3.59, 10.96
CIELCh	76, 11.530, 71.839
Yxy	49.6276, 0.3421, 0.3503
Android (android.graphics.Color)	4291475623 (0xFFCAB8A7)
YUV	187.4440, -10.0789, 12.7656
Hunter-Lab	70.4469, -0.4779, 12.6362

Details

The Yxy color $49.6276, 0.3421, 0.3503$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $47.1521, 0.2858, 0.3067$, and the grayscale version is $50.0081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.8541, 0.3341, 0.3468$, and $23.7663, 0.3508, 0.3560$ is the 20% darker color. If you saturate the color by 10%, you get $44.7894, 0.3624, 0.3634$, and if you desaturate by 10%, it is $54.9026, 0.3243, 0.3377$.

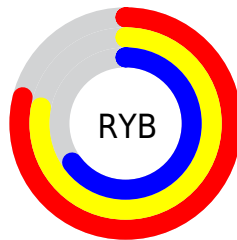
Distribution



Red (79%)

Green (72%)

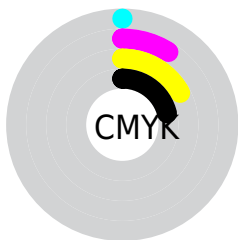
Blue (65%)



Red (79%)

Yellow (78%)

Blue (65%)

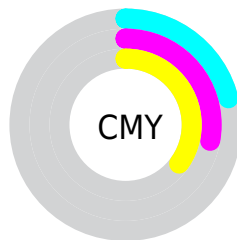


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (21%)



Cyan (21%)


Magenta (28%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6276, 0.3421, 0.3503 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 49.6276, 0.3421, 0.3503 by changing the saturation by 10% instead.


 49.6276, 0.3421,
0.3503


 49.6276, 0.3421,
0.3503


385.2078, 0.3275,
0.3399

 35.1176, 0.3457,
0.3528


 89.6229, 0.3368,
0.3466

 23.7535, 0.3503,
0.3560


 115.8769, 0.3348,
0.3451

 15.1508, 0.3564,
0.3602


146.8144, 0.3331,
0.3439

 8.9253, 0.3649,
0.3660

182.8198, 0.3317,
0.3429

 4.6925, 0.3773,
0.3742

224.2774, 0.3304,
0.3420

 2.0680, 0.3973,
0.3868

271.5717, 0.3293,

 0.6465, 0.5207,

0.3412

0.4793

325.0871, 0.3284,
0.3405

0.0000, 0.0000,
0.0000

49.6276, 0.3421,
0.3503

49.6276, 0.3421,
0.3503

44.7894, 0.3624,
0.3634

54.9026, 0.3243,
0.3377

40.3692, 0.3852,
0.3765

60.6192, 0.3088,
0.3259

36.3564, 0.4104,
0.3891

66.7907, 0.2953,
0.3149

32.7376, 0.4375,
0.4002

73.4279, 0.2835,
0.3048

29.4980, 0.4656,
0.4087

79.6767, 0.2802,
0.3086

■ 26.6222, 0.4932,
0.4132

■ 85.8156, 0.2810,
0.3197

■ 24.0926, 0.5185,
0.4128

■ 91.2925, 0.2816,
0.3289

■ 21.8878, 0.5400,
0.4070

■ 21.3450, 0.5455,
0.4051

Harmonies

Analogous

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



49.6276, 0.3435, 0.3388



49.6276, 0.3421, 0.3503



49.6276, 0.3327, 0.3564

Triad

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



49.6276, 0.3421, 0.3503



49.6276, 0.2895, 0.3322



49.6276, 0.3067, 0.3046

Complementary

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



49.6276, 0.3421, 0.3503



47.1521, 0.2858, 0.3067

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.



49.6276, 0.2927, 0.3025



49.6276, 0.3421, 0.3503



49.6276, 0.2829, 0.3179

Square

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



49.6276, 0.3421, 0.3503



49.6276, 0.3023, 0.3460



49.6276, 0.2841, 0.3072



49.6276, 0.3227, 0.3129

Rectangle

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



49.6276, 0.3421, 0.3503



49.6276, 0.3233, 0.3563



49.6276, 0.2841, 0.3072



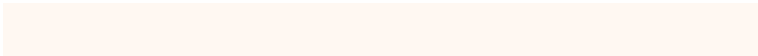
49.6276, 0.3016, 0.3032

Sweetspot

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



49.6298, 0.3421, 0.3503



95.1012, 0.3206, 0.3350



43.6917, 0.3293, 0.3066



20.2116, 0.3218, 0.3359



0.0000, 0.0000, 0.0000



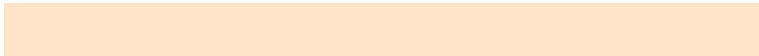
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6298, 0.3421, 0.3503



80.7181, 0.3498, 0.3554



57.2966, 0.3386, 0.3710



12.0999, 0.3278, 0.3403



13.9166, 0.5434, 0.4067



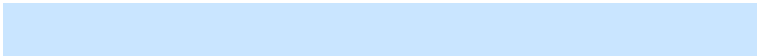
0.8697, 0.5129, 0.4310

Inverse Universe

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



47.1521, 0.2858, 0.3067



75.7031, 0.2794, 0.3010



40.3250, 0.2846, 0.2833



11.7803, 0.2983, 0.3174



9.2529, 0.1788, 0.1635



0.6290, 0.1884, 0.1983

Previews

White Background



This preview shows how the Yxy color 49.6276, 0.3421, 0.3503 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 49.6276, 0.3421, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

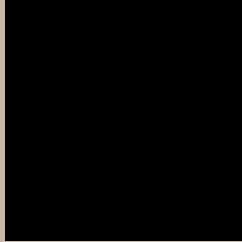
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6276, 0.3421, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 49.6276, 0.3421, 0.3503.



This preview shows how white text looks on a background with the Yxy color 49.6276, 0.3421, 0.3503.

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

49.6276, 0.3421, 0.3503

Protanopia

49.5471, 0.3347, 0.3519

Deuteranopia

49.4667, 0.3511, 0.3437



Tritanopia

49.5167, 0.3230, 0.3121

Trichromacy



Original Color

49.6276, 0.3421, 0.3503

Protanomaly

49.5308, 0.3376, 0.3505

Deuteranomaly

49.2848, 0.3473, 0.3451

Tritanomaly

49.3458, 0.3302, 0.3254

Monochromacy



Original Color

49.6276, 0.3421, 0.3503

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6196, 0.3225, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6276, 0.3421, 0.3503 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(202, 184, 167)` looks like.

```
.text, #text, p{  
    color:rgb(202, 184, 167)  
}
```

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(202, 184, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 184, 167) }
```

Border

The CSS property to change the border of an element to Yxy 49.6276, 0.3421, 0.3503 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(202, 184, 167) }
```

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

```
.border{ border-color:rgb(202, 184, 167) }
```

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

Here you see how a box with a 4 pixel rgb(202, 184, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 184, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 184, 167);  
box-shadow:4px 4px 4px 4px rgb(202, 184,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6276, 0.3421, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 184, 167) }
```

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

```
.background{ background-color: rgb(202,  
184, 167) }
```

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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