

Converting Colors

$Yxy(49.6652, 0.3665, 0.3685)$

Have a look what the booklet for
Yxy(49.6652, 0.3665, 0.3685)
contains.

Yxy(49.6550, 0.3661, 0.3682)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6550, 0.3661, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	D4B696
RGB	212, 182, 150
RGB Percent	83%, 71%, 59%
CMY	0.1688, 0.2862, 0.4118
CMYK	0.00, 0.14, 0.29, 0.17
HSL	31°, 42%, 71%
HSV	31°, 29%, 83%
XYZ	49.3718, 49.6550, 35.8320
YIQ	187.3220, 28.1520, -3.5920

Conversions

Conversions Part 2

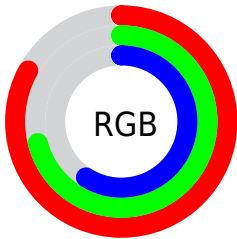
Format	Color
R_{YB}	208, 212, 150
Decimal	13940374
CIE _{Lab}	75.86, 5.99, 20.29
CIE _{LCh}	76, 21.160, 73.544
Yxy	49.6550, 0.3661, 0.3682
Android (android.graphics.Color)	4292130454 (0xFFD4B696)
YUV	187.3220, -18.3997, 21.6426
Hunter-Lab	70.4663, 1.7489, 19.1776

Details

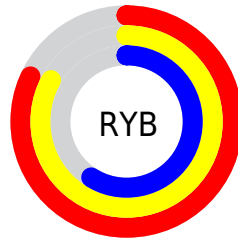
The Yxy color $49.6550, 0.3661, 0.3682$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $43.8398, 0.2661, 0.2862$, and the grayscale version is $49.9774, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7687, 0.3461, 0.3631$, and $23.7695, 0.3816, 0.3779$ is the 20% darker color. If you saturate the color by 10%, you get $44.9941, 0.3889, 0.3821$, and if you desaturate by 10%, it is $54.7504, 0.3456, 0.3543$.

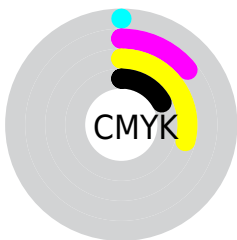
Distribution



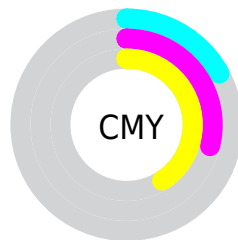
- Red (83%)
- Green (71%)
- Blue (59%)



- Red (82%)
- Yellow (83%)
- Blue (59%)



- Cyan (0%)
- Magenta (14%)
- Yellow (29%)
- Black (17%)





- Cyan (17%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6550, 0.3661, 0.3682 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 49.6550, 0.3661, 0.3682 by changing the saturation by 10% instead.


 49.6550, 0.3661,
0.3682


 49.6550, 0.3661,
0.3682


385.3152, 0.3396,
0.3493

 35.1393, 0.3726,
0.3727


 89.6635, 0.3566,
0.3615

 23.7702, 0.3809,
0.3783


 115.9251, 0.3529,
0.3589

 15.1633, 0.3917,
0.3855


146.8709, 0.3499,
0.3567

 8.9341, 0.4064,
0.3949

182.8852, 0.3473,
0.3548

 4.6982, 0.4274,
0.4077

224.3523, 0.3450,
0.3532

 2.0713, 0.4661,
0.4314

271.6568, 0.3430,

 0.6484, 0.5405,

0.3517

0.4595

325.1830, 0.3412,
0.3504

0.0000, 0.0000,
0.0000

49.6550, 0.3661,
0.3682

49.6550, 0.3661,
0.3682

44.9941, 0.3889,
0.3821

54.7504, 0.3456,
0.3543

40.7477, 0.4138,
0.3952

60.2860, 0.3275,
0.3408

36.9041, 0.4402,
0.4066

66.2758, 0.3116,
0.3280

33.4481, 0.4670,
0.4151

72.7312, 0.2976,
0.3161

30.3634, 0.4928,
0.4193

79.6010, 0.2860,
0.3061

■ 27.6316, 0.5160,
0.4183

■ 85.5719, 0.2866,
0.3169

■ 25.2266, 0.5355,
0.4124

■ 91.8845, 0.2871,
0.3276

■ 25.0532, 0.5370,
0.4118

■ 92.7288, 0.2871,
0.3289

Harmonies

Analogous

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



49.6550, 0.3698, 0.3472



49.6550, 0.3661, 0.3682



49.6550, 0.3477, 0.3799

Triad

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



49.6550, 0.3661, 0.3682



49.6550, 0.2696, 0.3329



49.6550, 0.3030, 0.2860

Complementary

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



49.6550, 0.3661, 0.3682



43.8398, 0.2661, 0.2862

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.



49.6550, 0.2774, 0.2811



49.6550, 0.3661, 0.3682



49.6550, 0.2588, 0.3065

Square

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



49.6550, 0.3661, 0.3682



49.6550, 0.2918, 0.3595



49.6550, 0.2616, 0.2881



49.6550, 0.3325, 0.3011

Rectangle

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



49.6550, 0.3661, 0.3682



49.6550, 0.3300, 0.3798



49.6550, 0.2616, 0.2881



49.6550, 0.2937, 0.2831

Sweetspot

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



49.6573, 0.3661, 0.3682



91.7406, 0.3273, 0.3406



39.0913, 0.3463, 0.2926



19.3620, 0.3298, 0.3426



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.



49.6573, 0.3661, 0.3682



71.0410, 0.3798, 0.3768



63.0969, 0.3558, 0.4018



13.4723, 0.3278, 0.3411



15.6772, 0.5349, 0.4135



1.1110, 0.5096, 0.4336

Inverse Universe

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



43.8398, 0.2661, 0.2862



60.8273, 0.2560, 0.2756



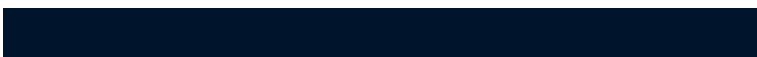
33.1421, 0.2624, 0.2447



12.9885, 0.2982, 0.3166



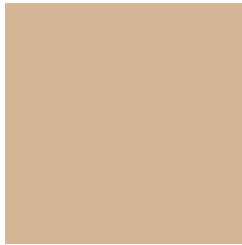
9.0457, 0.1759, 0.1531



0.7109, 0.1848, 0.1852

Previews

White Background



This preview shows how the Yxy color 49.6550, 0.3661, 0.3682 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 49.6550, 0.3661, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

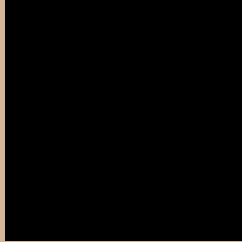
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6550, 0.3661, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 49.6550, 0.3661, 0.3682.



This preview shows how white text looks on a background with the Yxy color 49.6550, 0.3661, 0.3682.

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

49.6550, 0.3661, 0.3682

Protanopia

49.8134, 0.3503, 0.3734

Deuteranopia

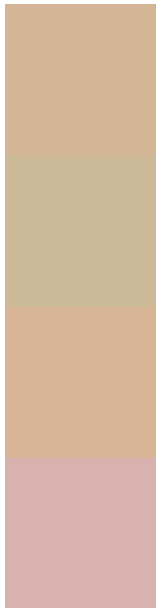
49.7500, 0.3723, 0.3651



Tritanopia

49.5201, 0.3373, 0.3126

Trichromacy



Original Color

49.6550, 0.3661, 0.3682

Protanomaly

49.6288, 0.3562, 0.3716

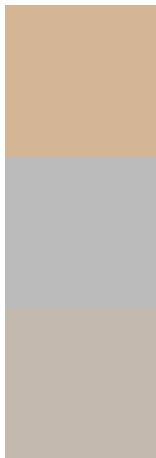
Deuteranomaly

49.8487, 0.3702, 0.3665

Tritanomaly

49.3830, 0.3482, 0.3327

Monochromacy



Original Color

49.6550, 0.3661, 0.3682

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4897, 0.3309, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6550, 0.3661, 0.3682 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(212, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(212, 182, 150)  
}
```

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(212, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 182, 150) }
```

Border

The CSS property to change the border of an element to Yxy 49.6550, 0.3661, 0.3682 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(212, 182, 150) }
```

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

```
.border{ border-color:rgb(212, 182, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 182, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(212, 182,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6550, 0.3661, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 182, 150) }
```

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

```
.background{ background-color: rgb(212,  
182, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor