

Converting Colors

$Yxy(49.1587, 0.3727, 0.3654)$

Have a look what the booklet for
Yxy(49.1587, 0.3727, 0.3654)
contains.

Yxy(49.1618, 0.3727, 0.3652)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1618, 0.3727, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	D9B395
RGB	217, 179, 149
RGB Percent	85%, 70%, 58%
CMY	0.1488, 0.2981, 0.4156
CMYK	0.00, 0.18, 0.31, 0.15
HSL	26°, 47%, 72%
HSV	26°, 31%, 85%
XYZ	50.1714, 49.1618, 35.2829
YIQ	186.9420, 32.2780, -1.2740

Conversions

Conversions Part 2

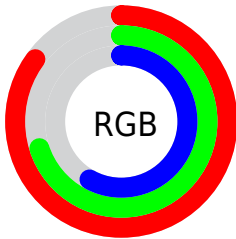
Format	Color
R _Y B	217, 203, 149
Decimal	14267285
CIE Lab	75.55, 9.47, 20.48
CIE LCh	76, 22.559, 65.185
Yxy	49.1618, 0.3727, 0.3652
Android (android.graphics.Color)	4292457365 (0xFFD9B395)
YUV	186.9420, -18.7054, 26.3609
Hunter-Lab	70.1155, 5.0243, 19.2455

Details

The Yxy color $49.1618, 0.3727, 0.3652$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $46.9748, 0.2634, 0.2896$, and the grayscale version is $49.7572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.9885, 0.3473, 0.3612$, and $23.3806, 0.3896, 0.3739$ is the 20% darker color. If you saturate the color by 10%, you get $43.8797, 0.3976, 0.3771$, and if you desaturate by 10%, it is $55.0063, 0.3507, 0.3532$.

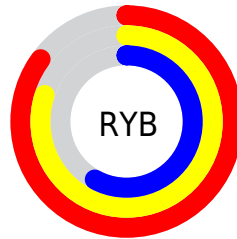
Distribution



Red (85%)

Green (70%)

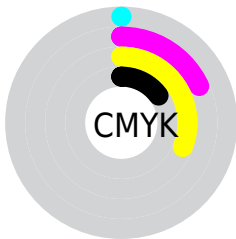
Blue (58%)



Red (85%)

Yellow (80%)

Blue (58%)

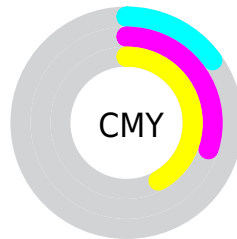


Cyan (0%)

Magenta (18%)

Yellow (31%)

Black (15%)



Cyan (15%)


Magenta (30%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1618, 0.3727, 0.3652 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 49.1618, 0.3727, 0.3652 by changing the saturation by 10% instead.


 49.1618, 0.3727,
0.3652

 49.1618, 0.3727,
0.3652


383.3789, 0.3428,
0.3479

 34.7478, 0.3801,
0.3692


 88.9317, 0.3619,
0.3591

 23.4687, 0.3894,
0.3742


 115.0565, 0.3578,
0.3568

 14.9400, 0.4017,
0.3805


145.8536, 0.3544,
0.3548

 8.7773, 0.4186,
0.3886

181.7075, 0.3514,
0.3530

 4.5962, 0.4427,
0.3991

223.0026, 0.3488,
0.3515

 2.0123, 0.4880,
0.4196

270.1233, 0.3466,

 0.6146, 0.5702,

0.3502

0.4298

323.4539, 0.3446,
0.3490

0.0000, 0.0000,
0.0000

49.1618, 0.3727,
0.3652

49.1618, 0.3727,
0.3652

43.8797, 0.3976,
0.3771

55.0063, 0.3507,
0.3532

39.1349, 0.4253,
0.3881

61.4236, 0.3314,
0.3415

34.9103, 0.4549,
0.3972

68.4323, 0.3148,
0.3304

31.1853, 0.4853,
0.4032

76.0482, 0.3004,
0.3201

27.9372, 0.5147,
0.4047

84.1218, 0.2894,
0.3132

■ 25.1406, 0.5407,
0.4008

■ 91.5000, 0.2899,
0.3257

■ 23.0564, 0.5598,
0.3937

■ 93.4991, 0.2900,
0.3289

Harmonies

Analogous

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



49.1618, 0.3718, 0.3411



49.1618, 0.3727, 0.3652



49.1618, 0.3568, 0.3813

Triad

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



49.1618, 0.3727, 0.3652



49.1618, 0.2722, 0.3414



49.1618, 0.2939, 0.2806

Complementary

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



49.1618, 0.3727, 0.3652



46.9748, 0.2634, 0.2896

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.



49.1618, 0.2690, 0.2787



49.1618, 0.3727, 0.3652



49.1618, 0.2570, 0.3121

Square

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



49.1618, 0.3727, 0.3652



49.1618, 0.2984, 0.3684



49.1618, 0.2559, 0.2896



49.1618, 0.3251, 0.2939

Rectangle

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



49.1618, 0.3727, 0.3652



49.1618, 0.3393, 0.3844



49.1618, 0.2559, 0.2896



49.1618, 0.2846, 0.2786

Sweetspot

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



49.1641, 0.3727, 0.3652



90.6892, 0.3274, 0.3389



39.8698, 0.3439, 0.2833



19.1033, 0.3300, 0.3406



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.



49.1641, 0.3727, 0.3652



65.4079, 0.3899, 0.3736



64.2730, 0.3612, 0.4022



13.9909, 0.3281, 0.3393



14.1533, 0.5573, 0.3957



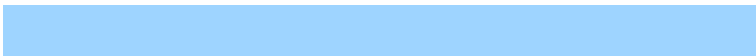
1.0867, 0.5293, 0.4179

Inverse Universe

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



46.9748, 0.2634, 0.2896



61.7410, 0.2523, 0.2792



34.3650, 0.2579, 0.2434



13.8195, 0.2982, 0.3184



11.5831, 0.1830, 0.1788



0.9211, 0.1904, 0.2055

Previews

White Background



This preview shows how the Yxy color 49.1618, 0.3727, 0.3652 looks on a white background.

Color Contrast Check

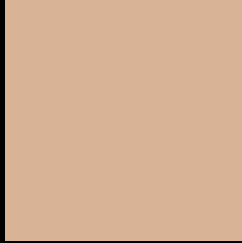
Large Text (above 18pt) WCAG AA × Fail

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 49.1618, 0.3727, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

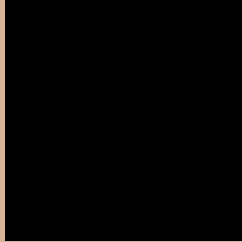
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1618, 0.3727, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 49.1618, 0.3727, 0.3652.



This preview shows how white text looks on a background with the Yxy color 49.1618, 0.3727, 0.3652.

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

49.1618, 0.3727, 0.3652

Protanopia

49.2551, 0.3496, 0.3723

Deuteranopia

49.1618, 0.3727, 0.3652



Tritanopia

49.2321, 0.3438, 0.3139

Trichromacy



Original Color

49.1618, 0.3727, 0.3652

Protanomaly

48.9387, 0.3577, 0.3691

Deuteranomaly

49.1618, 0.3727, 0.3652

Tritanomaly

49.2834, 0.3549, 0.3327

Monochromacy



Original Color

49.1618, 0.3727, 0.3652

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.3039, 0.3336, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1618, 0.3727, 0.3652 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(217, 179, 149)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 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(217, 179, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 149) }
```

Border

The CSS property to change the border of an element to Yxy 49.1618, 0.3727, 0.3652 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(217, 179, 149) }
```

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

```
.border{ border-color:rgb(217, 179, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 179, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 149);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1618, 0.3727, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 149) }
```

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

```
.background{ background-color: rgb(217,  
179, 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](#).

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