

Converting Colors

$Yxy(49.3222, 0.3473, 0.3536)$

Have a look what the booklet for
Yxy(49.3222, 0.3473, 0.3536)
contains.

Yxy(49.3487, 0.3475, 0.3540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3487, 0.3475, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	CCB7A3
RGB	204, 183, 163
RGB Percent	80%, 72%, 64%
CMY	0.2000, 0.2823, 0.3609
CMYK	0.00, 0.10, 0.20, 0.20
HSL	29°, 29%, 72%
HSV	29°, 20%, 80%
XYZ	48.4426, 49.3487, 41.6118
YIQ	186.9990, 18.9360, -1.7680

Conversions

Conversions Part 2

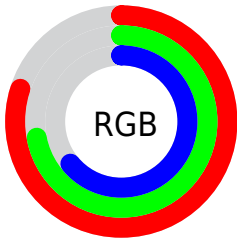
Format	Color
RYB	204, 202, 163
Decimal	13416355
CIELab	75.67, 4.27, 12.91
CIELCh	76, 13.598, 71.687
Yxy	49.3487, 0.3475, 0.3540
Android (android.graphics.Color)	4291606435 (0xFFCCB7A3)
YUV	186.9990, -11.8315, 14.9099
Hunter-Lab	70.2486, 0.1563, 14.0536

Details

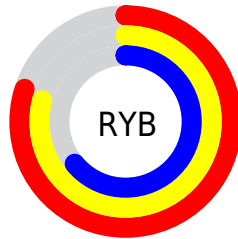
The Yxy color $49.3487, 0.3475, 0.3540$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $46.4075, 0.2813, 0.3026$, and the grayscale version is $49.7533, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.0550, 0.3368, 0.3499$, and $23.5025, 0.3571, 0.3610$ is the 20% darker color. If you saturate the color by 10%, you get $44.5309, 0.3685, 0.3672$, and if you desaturate by 10%, it is $54.6081, 0.3290, 0.3412$.

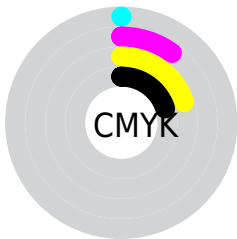
Distribution



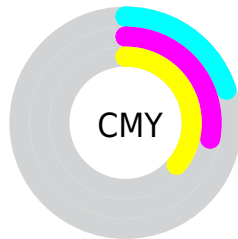
- Red (80%)
- Green (72%)
- Blue (64%)



- Red (80%)
- Yellow (79%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3487, 0.3475, 0.3540 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 49.3487, 0.3475, 0.3540 by changing the saturation by 10% instead.


 49.3487, 0.3475,
0.3540

 49.3487, 0.3475,
0.3540


384.1135, 0.3302,
0.3418

 34.8962, 0.3518,
0.3570


 89.2091, 0.3412,
0.3496

 23.5829, 0.3573,
0.3607


 115.3858, 0.3389,
0.3480

 15.0245, 0.3645,
0.3656


146.2394, 0.3369,
0.3466

 8.8366, 0.3745,
0.3722

182.1541, 0.3352,
0.3453

 4.6347, 0.3891,
0.3815

223.5145, 0.3337,
0.3443

 2.0346, 0.4125,
0.3957

270.7049, 0.3324,

 0.6275, 0.5276,

0.3433

0.4724

324.1098, 0.3312,
0.3425

0.0000, 0.0000,
0.0000

49.3487, 0.3475,
0.3540

49.3487, 0.3475,
0.3540

44.5309, 0.3685,
0.3672

54.6081, 0.3290,
0.3412

40.1355, 0.3920,
0.3803

60.3144, 0.3129,
0.3291

36.1515, 0.4177,
0.3926

66.4812, 0.2988,
0.3178

32.5649, 0.4452,
0.4031

73.1194, 0.2866,
0.3074

29.3606, 0.4733,
0.4107

79.5804, 0.2814,
0.3079

■ 26.5220, 0.5004,
0.4140

■ 85.7387, 0.2821,
0.3191

■ 24.0309, 0.5246,
0.4120

■ 91.5761, 0.2827,
0.3289

■ 21.8807, 0.5451,
0.4054

Harmonies

Analogous

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



49.3487, 0.3491, 0.3404



49.3487, 0.3475, 0.3540



49.3487, 0.3364, 0.3614

Triad

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



49.3487, 0.3475, 0.3540



49.3487, 0.2854, 0.3329



49.3487, 0.3055, 0.3003

Complementary

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



49.3487, 0.3475, 0.3540



46.4075, 0.2813, 0.3026

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.



49.3487, 0.2890, 0.2978



49.3487, 0.3475, 0.3540



49.3487, 0.2777, 0.3159

Square

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



49.3487, 0.3475, 0.3540



49.3487, 0.3005, 0.3493



49.3487, 0.2789, 0.3032



49.3487, 0.3244, 0.3100

Rectangle

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



49.3487, 0.3475, 0.3540



49.3487, 0.3253, 0.3615



49.3487, 0.2789, 0.3032



49.3487, 0.2995, 0.2986

Sweetspot

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



49.3509, 0.3475, 0.3540



94.1609, 0.3223, 0.3363



42.4907, 0.3325, 0.3028



20.0218, 0.3233, 0.3371



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.



49.3509, 0.3475, 0.3540



78.2920, 0.3560, 0.3595



58.3367, 0.3429, 0.3779



12.1032, 0.3278, 0.3403



13.9586, 0.5429, 0.4071



0.8719, 0.5125, 0.4313

Inverse Universe

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



46.4075, 0.2813, 0.3026



72.5717, 0.2745, 0.2964



38.5738, 0.2795, 0.2750



11.7770, 0.2983, 0.3174



9.2083, 0.1786, 0.1630



0.6267, 0.1883, 0.1979

Previews

White Background



This preview shows how the Yxy color 49.3487, 0.3475, 0.3540 looks on a white background.

Color Contrast Check

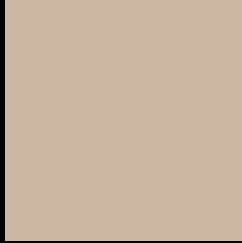
Large Text (above 18pt) WCAG AA × Fail

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 49.3487, 0.3475, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

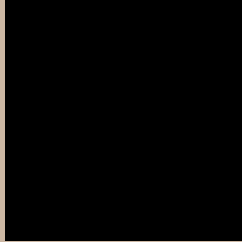
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3487, 0.3475, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 49.3487, 0.3475, 0.3540.



This preview shows how white text looks on a background with the Yxy color 49.3487, 0.3475, 0.3540.

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

49.3487, 0.3475, 0.3540

Protanopia

49.4002, 0.3380, 0.3570

Deuteranopia

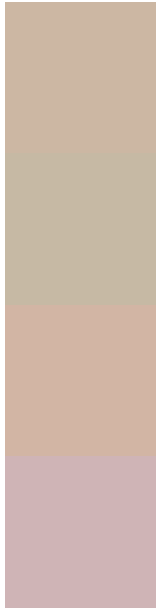
49.4690, 0.3555, 0.3485



Tritanopia

49.5004, 0.3265, 0.3122

Trichromacy



Original Color

49.3487, 0.3475, 0.3540

Protanomaly

49.3840, 0.3409, 0.3556

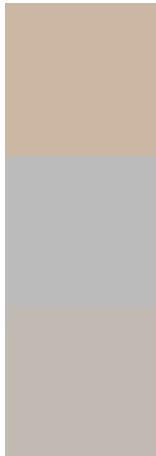
Deuteranomaly

49.4297, 0.3525, 0.3499

Tritanomaly

49.2853, 0.3347, 0.3266

Monochromacy



Original Color

49.3487, 0.3475, 0.3540

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6696, 0.3249, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3487, 0.3475, 0.3540 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, 183, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 163)  
}
```

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, 183, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 163) }
```

Border

The CSS property to change the border of an element to Yxy 49.3487, 0.3475, 0.3540 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, 183, 163) }
```

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

```
.border{ border-color:rgb(204, 183, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 183, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 183, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 183, 163); box-shadow:4px 4px 4px 4px rgb(204, 183, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3487, 0.3475, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 163) }
```

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

```
.background{ background-color: rgb(204,  
183, 163) }
```

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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