

Converting Colors

$Y_{xy}(49.1996, 0.3240, 0.3418)$

Have a look what the booklet for
Yxy(49.1996, 0.3240, 0.3418)
contains.

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Color

Yxy(49.1996, 0.3240, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	BEBAB0
RGB	190, 186, 176
RGB Percent	75%, 73%, 69%
CMY	0.2547, 0.2706, 0.3099
CMYK	0.00, 0.02, 0.07, 0.25
HSL	43°, 10%, 72%
HSV	43°, 7%, 75%
XYZ	46.6374, 49.1996, 48.1056
YIQ	186.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

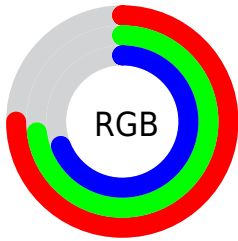
Format	Color
RYB	182, 190, 176
Decimal	12499632
CIELab	75.58, -0.35, 5.56
CIELCh	76, 5.573, 93.631
Yxy	49.1996, 0.3240, 0.3418
Android (android.graphics.Color)	4290689712 (0xFFBEBAB0)
YUV	186.0560, -4.9576, 3.4589
Hunter-Lab	70.1424, -4.0653, 8.4370

Details

The Yxy color **49.1996, 0.3240, 0.3418** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6062, 0.3015, 0.3159**, and the grayscale version is **49.1655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9233, 0.3215, 0.3390**, and **23.5487, 0.3270, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **46.2380, 0.3405, 0.3598**, and if you desaturate by 10%, it is **52.3593, 0.3089, 0.3246**.

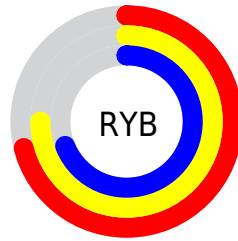
Distribution



Red (75%)

Green (73%)

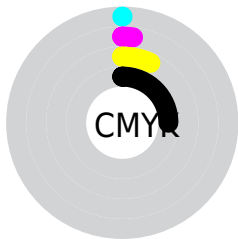
Blue (69%)



Red (71%)

Yellow (75%)

Blue (69%)

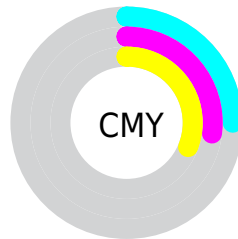


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1996, 0.3240, 0.3418 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 49.1996, 0.3240, 0.3418 by changing the saturation by 10% instead.

■ 49.1996, 0.3240,
0.3418

■ 49.1996, 0.3240,
0.3418

383.5276, 0.3184,
0.3355

■ 34.7778, 0.3254,
0.3434

■ 88.9878, 0.3220,
0.3395

■ 23.4918, 0.3271,
0.3454

115.1231, 0.3212,
0.3386

■ 14.9571, 0.3295,
0.3480

145.9316, 0.3206,
0.3379

■ 8.7893, 0.3327,
0.3517

181.7979, 0.3200,
0.3373

■ 4.6040, 0.3375,
0.3572

223.1062, 0.3195,
0.3367

■ 2.0168, 0.3453,
0.3661

270.2410, 0.3191,

■ 0.6172, 0.3910,

0.3363

0.4175

323.5866, 0.3187,
0.3358

0.0000, 0.0000,
0.0000

49.1996, 0.3240,
0.3418

49.1996, 0.3240,
0.3418

46.2380, 0.3405,
0.3598

52.3593, 0.3089,
0.3246

43.4627, 0.3583,
0.3783

55.7156, 0.2953,
0.3085

40.8701, 0.3773,
0.3967

59.2756, 0.2831,
0.2935

38.4544, 0.3969,
0.4143

63.0439, 0.2721,
0.2797

36.2089, 0.4165,
0.4301

65.9504, 0.2710,
0.2829

■ 34.1265, 0.4353,
0.4431

■ 68.7586, 0.2716,
0.2891

■ 32.1994, 0.4524,
0.4521

■ 71.6608, 0.2722,
0.2953

■ 30.4185, 0.4670,
0.4566

■ 74.6579, 0.2727,
0.3015

■ 28.7711, 0.4786,
0.4563

■ 77.7507, 0.2733,
0.3075

Harmonies

Analogous

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



49.1996, 0.3275, 0.3382



49.1996, 0.3240, 0.3418



49.1996, 0.3175, 0.3420

Triad

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



49.1996, 0.3240, 0.3418



49.1996, 0.2987, 0.3256



49.1996, 0.3156, 0.3197

Complementary

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



49.1996, 0.3240, 0.3418



45.6062, 0.3015, 0.3159

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.



49.1996, 0.3078, 0.3164



49.1996, 0.3240, 0.3418



49.1996, 0.2982, 0.3197

Square

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



49.1996, 0.3240, 0.3418



49.1996, 0.3029, 0.3326



49.1996, 0.3015, 0.3164



49.1996, 0.3226, 0.3254

Rectangle

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



49.1996, 0.3240, 0.3418



49.1996, 0.3124, 0.3401



49.1996, 0.3015, 0.3164



49.1996, 0.3129, 0.3183

Sweetspot

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



49.2017, 0.3240, 0.3418



92.1385, 0.3157, 0.3325



45.3022, 0.3217, 0.3236



20.2455, 0.3156, 0.3323



97.7402, 0.3127, 0.3290



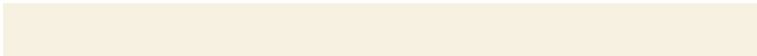
20.4902, 0.3127, 0.3290

Same Dimension

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



49.2017, 0.3240, 0.3418



88.1510, 0.3268, 0.3449



50.5740, 0.3212, 0.3470



10.6433, 0.3271, 0.3453



18.9872, 0.4805, 0.4567



0.8507, 0.4627, 0.4708

Inverse Universe

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



45.6062, 0.3015, 0.3159



80.1930, 0.2987, 0.3126



44.3252, 0.3039, 0.3106



9.6613, 0.2984, 0.3122



4.3918, 0.1608, 0.0989



0.2883, 0.1748, 0.1491

Previews

White Background



This preview shows how the Yxy color 49.1996, 0.3240, 0.3418 looks on a white background.

Color Contrast Check

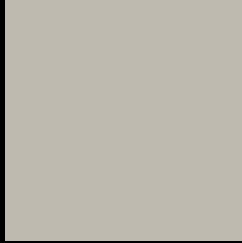
Large Text (above 18pt) WCAG AA × Fail

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 49.1996, 0.3240, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

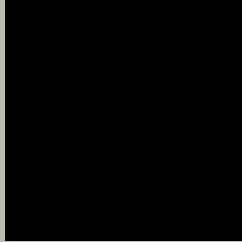
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

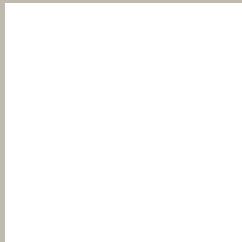
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1996, 0.3240, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 49.1996, 0.3240, 0.3418.

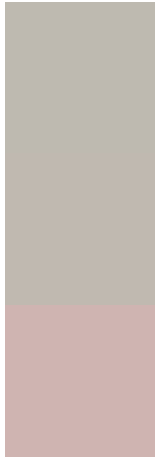


This preview shows how white text looks on a background with the Yxy color 49.1996, 0.3240, 0.3418.

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

49.1996, 0.3240, 0.3418

Protanopia

49.0390, 0.3258, 0.3405

Deuteranopia

49.0822, 0.3389, 0.3327



Tritanopia

49.2356, 0.3102, 0.3117

Trichromacy



Original Color

49.1996, 0.3240, 0.3418

Protanomaly

48.9089, 0.3249, 0.3405

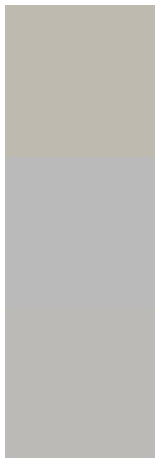
Deuteranomaly

49.0477, 0.3332, 0.3353

Tritanomaly

49.1616, 0.3155, 0.3227

Monochromacy



Original Color

49.1996, 0.3240, 0.3418

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0600, 0.3167, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1996, 0.3240, 0.3418 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(190, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(190, 186, 176)  
}
```

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(190, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 186, 176) }
```

Border

The CSS property to change the border of an element to Yxy 49.1996, 0.3240, 0.3418 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(190, 186, 176) }
```

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

```
.border{ border-color:rgb(190, 186, 176) }
```

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

Here you see how a box with a 4 pixel rgb(190, 186, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(190, 186,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1996, 0.3240, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 186, 176) }
```

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

```
.background{ background-color: rgb(190,  
186, 176) }
```

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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