

Converting Colors

$Y_{xy}(48.7998, 0.3291, 0.3471)$

Have a look what the booklet for
Yxy(48.7998, 0.3291, 0.3471)
contains.

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Color

Yxy(48.7146, 0.3290, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	BFB9AB
RGB	191, 185, 171
RGB Percent	75%, 73%, 67%
CMY	0.2509, 0.2745, 0.3295
CMYK	0.00, 0.03, 0.10, 0.25
HSL	42°, 14%, 71%
HSV	42°, 10%, 75%
XYZ	46.1876, 48.7146, 45.4857
YIQ	185.1980, 8.0700, -3.0820

Conversions

Conversions Part 2

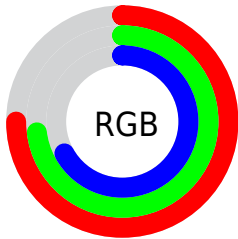
Format	Color
RYB	180, 191, 171
Decimal	12564907
CIELab	75.27, -0.32, 7.86
CIElCh	75, 7.865, 92.358
Yxy	48.7146, 0.3290, 0.3470
Android (android.graphics.Color)	4290754987 (0xFFBFB9AB)
YUV	185.1980, -6.9996, 5.0884
Hunter-Lab	69.7958, -4.0198, 10.2180

Details

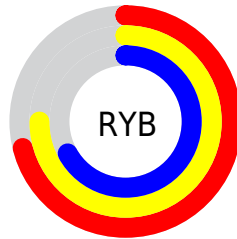
The Yxy color $48.7146, 0.3290, 0.3470$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.8624, 0.2966, 0.3103$, and the grayscale version is $48.6698, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.1757, 0.3260, 0.3441$, and $23.2377, 0.3339, 0.3517$ is the 20% darker color. If you saturate the color by 10%, you get $45.6875, 0.3460, 0.3649$, and if you desaturate by 10%, it is $51.9481, 0.3134, 0.3298$.

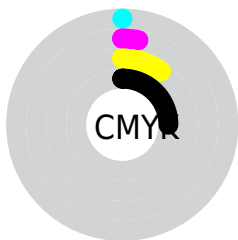
Distribution



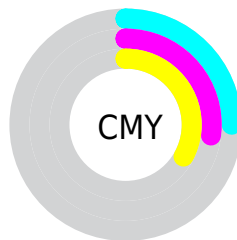
- Red (75%)
- Green (73%)
- Blue (67%)



- Red (71%)
- Yellow (75%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (25%)



- Cyan (25%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7146, 0.3290, 0.3470 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 48.7146, 0.3290, 0.3470 by changing the saturation by 10% instead.

■ 48.7146, 0.3290,
0.3470

■ 48.7146, 0.3290,
0.3470

381.6177, 0.3209,
0.3381

■ 34.3931, 0.3310,
0.3492

■ 88.2674, 0.3261,
0.3438

■ 23.1958, 0.3336,
0.3521

114.2676, 0.3250,
0.3425

■ 14.7381, 0.3370,
0.3558

144.9294, 0.3240,
0.3415

■ 8.6358, 0.3416,
0.3610

180.6373, 0.3232,
0.3406

■ 4.5044, 0.3486,
0.3688

221.7757, 0.3225,
0.3399

■ 1.9595, 0.3598,
0.3813

268.7290, 0.3219,

■ 0.5838, 0.4494,

0.3392

0.4797

321.8815, 0.3214,
0.3386

0.0000, 0.0000,
0.0000

48.7146, 0.3290,
0.3470

48.7146, 0.3290,
0.3470

45.6875, 0.3460,
0.3649

51.9481, 0.3134,
0.3298

42.8549, 0.3644,
0.3832

55.3871, 0.2994,
0.3136

40.2128, 0.3838,
0.4012

59.0386, 0.2867,
0.2985

37.7549, 0.4038,
0.4181

62.9076, 0.2755,
0.2846

35.4744, 0.4236,
0.4329

66.2364, 0.2717,
0.2833

■ 33.3636, 0.4425,
0.4445

■ 69.1868, 0.2722,
0.2898

■ 31.4141, 0.4594,
0.4520

■ 72.2406, 0.2728,
0.2963

■ 29.6159, 0.4736,
0.4547

■ 75.3986, 0.2734,
0.3027

■ 28.0295, 0.4847,
0.4534

■ 78.6620, 0.2740,
0.3091

Harmonies

Analogous

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



48.7146, 0.3338, 0.3416



48.7146, 0.3290, 0.3470



48.7146, 0.3199, 0.3476

Triad

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



48.7146, 0.3290, 0.3470



48.7146, 0.2931, 0.3245



48.7146, 0.3162, 0.3156

Complementary

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



48.7146, 0.3290, 0.3470



43.8624, 0.2966, 0.3103

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.



48.7146, 0.3053, 0.3111



48.7146, 0.3290, 0.3470



48.7146, 0.2921, 0.3160

Square

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



48.7146, 0.3290, 0.3470



48.7146, 0.2992, 0.3344



48.7146, 0.2965, 0.3112



48.7146, 0.3263, 0.3236

Rectangle

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



48.7146, 0.3290, 0.3470



48.7146, 0.3126, 0.3450



48.7146, 0.2965, 0.3112



48.7146, 0.3125, 0.3137

Sweetspot

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



48.7167, 0.3290, 0.3470



91.5029, 0.3173, 0.3341



43.3845, 0.3255, 0.3208



19.9886, 0.3185, 0.3355



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.



48.7167, 0.3290, 0.3470



85.7232, 0.3335, 0.3518



50.8188, 0.3250, 0.3547



10.6234, 0.3271, 0.3450



18.5625, 0.4836, 0.4542



0.8366, 0.4648, 0.4691

Inverse Universe

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



43.8624, 0.2966, 0.3103



74.9851, 0.2922, 0.3051



41.9546, 0.2996, 0.3024



9.6801, 0.2984, 0.3125



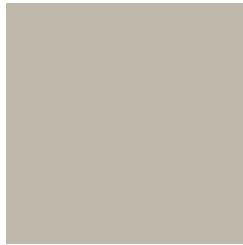
4.5447, 0.1616, 0.1018



0.2964, 0.1756, 0.1523

Previews

White Background



This preview shows how the Yxy color 48.7146, 0.3290, 0.3470 looks on a white background.

Color Contrast Check

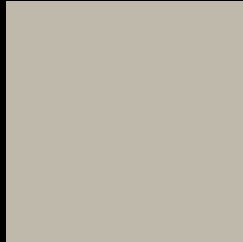
Large Text (above 18pt) WCAG AA × Fail

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 48.7146, 0.3290, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

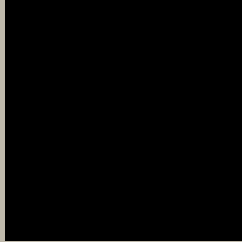
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

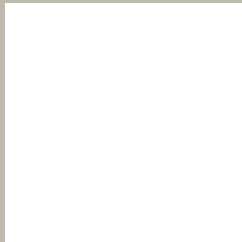
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7146, 0.3290, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 48.7146, 0.3290, 0.3470.

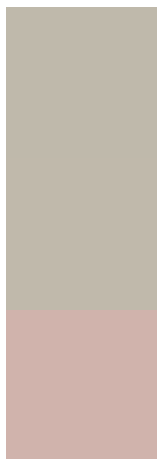


This preview shows how white text looks on a background with the Yxy color 48.7146, 0.3290, 0.3470.

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

48.7146, 0.3290, 0.3470

Protanopia

48.8447, 0.3298, 0.3469

Deuteranopia

48.6287, 0.3443, 0.3377



Tritanopia

48.5026, 0.3119, 0.3104

Trichromacy



Original Color

48.7146, 0.3290, 0.3470

Protanomaly

48.8447, 0.3298, 0.3469

Deuteranomaly

48.5829, 0.3385, 0.3403

Tritanomaly

48.3812, 0.3181, 0.3227

Monochromacy



Original Color

48.7146, 0.3290, 0.3470

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5580, 0.3183, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7146, 0.3290, 0.3470 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(191, 185, 171)` looks like.

```
.text, #text, p{  
    color:rgb(191, 185, 171)  
}
```

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(191, 185, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 185, 171) }
```

Border

The CSS property to change the border of an element to Yxy 48.7146, 0.3290, 0.3470 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(191, 185, 171) }
```

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

```
.border{ border-color:rgb(191, 185, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 185, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 185, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 185, 171);  
box-shadow:4px 4px 4px 4px rgb(191, 185,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7146, 0.3290, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 185, 171) }
```

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

```
.background{ background-color: rgb(191,  
185, 171) }
```

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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