

Converting Colors

$Yxy(49.4746, 0.3213, 0.3616)$

Have a look what the booklet for
Yxy(49.4746, 0.3213, 0.3616)
contains.

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Color

Yxy(49.4798, 0.3210, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	B2BFA6
RGB	178, 191, 166
RGB Percent	70%, 75%, 65%
CMY	0.3020, 0.2510, 0.3489
CMYK	0.07, 0.00, 0.13, 0.25
HSL	91°, 16%, 70%
HSV	91°, 13%, 75%
XYZ	43.8757, 49.4798, 43.3290
YIQ	184.2630, 0.2770, -10.5310

Conversions

Conversions Part 2

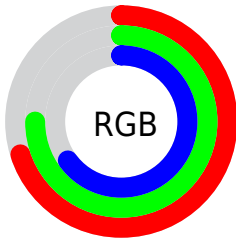
Format	Color
RYB	166, 191, 179
Decimal	11714470
CIELab	75.75, -9.04, 11.08
CIELCh	76, 14.302, 129.224
Yxy	49.4798, 0.3210, 0.3620
Android (android.graphics.Color)	4289904550 (0xFFB2BFA6)
YUV	184.2630, -9.0037, -5.4927
Hunter-Lab	70.3419, -11.7589, 12.7180

Details

The Yxy color $49.4798, 0.3210, 0.3620$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $40.6336, 0.3035, 0.2961$, and the grayscale version is $48.1383, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.2344, 0.3198, 0.3557$, and $23.7518, 0.3229, 0.3726$ is the 20% darker color. If you saturate the color by 10%, you get $47.6978, 0.3272, 0.3896$, and if you desaturate by 10%, it is $51.4556, 0.3147, 0.3364$.

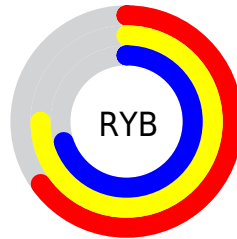
Distribution



Red (70%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (70%)

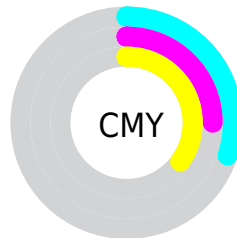


Cyan (7%)

Magenta (0%)

Yellow (13%)

Black (25%)



Cyan (30%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4798, 0.3210, 0.3620 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 49.4798, 0.3210, 0.3620 by changing the saturation by 10% instead.


 49.4798, 0.3210,
0.3620


 49.4798, 0.3210,
0.3620


384.6281, 0.3170,
0.3454

 35.0002, 0.3219,
0.3662


 89.4036, 0.3196,
0.3559

 23.6631, 0.3231,
0.3716


 115.6167, 0.3191,
0.3537

 15.0839, 0.3246,
0.3788


146.5098, 0.3186,
0.3518

 8.8783, 0.3265,
0.3890

182.4671, 0.3182,
0.3501

 4.6619, 0.3292,
0.4043

223.8733, 0.3179,
0.3487

 2.0503, 0.3328,
0.4298

271.1126, 0.3176,

 0.6364, 0.3764,

0.3475

0.6236

324.5694, 0.3173,
0.3464

0.0000, 0.0000,
0.0000

49.4798, 0.3210,
0.3620

49.4798, 0.3210,
0.3620

47.6978, 0.3272,
0.3896

51.4556, 0.3147,
0.3364

46.0967, 0.3329,
0.4188

53.6246, 0.3084,
0.3131

44.6719, 0.3378,
0.4488

55.9949, 0.3023,
0.2920

43.4161, 0.3414,
0.4785

58.5719, 0.2965,
0.2731

42.3215, 0.3434,
0.5065

60.9329, 0.2953,
0.2623

■ 41.3795, 0.3435,
0.5312

■ 62.6043, 0.3027,
0.2638

■ 40.5804, 0.3414,
0.5513

■ 64.3707, 0.3101,
0.2652

■ 39.9129, 0.3372,
0.5658

■ 65.7428, 0.3157,
0.2663

■ 39.5143, 0.3337,
0.5733

Harmonies

Analogous

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



49.4798, 0.3388, 0.3628



49.4798, 0.3210, 0.3620



49.4798, 0.3014, 0.3515

Triad

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



49.4798, 0.3210, 0.3620



49.4798, 0.2768, 0.3027



49.4798, 0.3408, 0.3228

Complementary

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



49.4798, 0.3210, 0.3620



40.6336, 0.3035, 0.2961

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.



49.4798, 0.3234, 0.3080



49.4798, 0.3210, 0.3620



49.4798, 0.2866, 0.2964

Square

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



49.4798, 0.3210, 0.3620



49.4798, 0.2763, 0.3165



49.4798, 0.3035, 0.2984



49.4798, 0.3506, 0.3395

Rectangle

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



49.4798, 0.3210, 0.3620



49.4798, 0.2899, 0.3406



49.4798, 0.3035, 0.2984



49.4798, 0.3356, 0.3174

Sweetspot

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



49.4819, 0.3210, 0.3620



91.7892, 0.3153, 0.3389



46.0445, 0.3340, 0.3458



20.0948, 0.3158, 0.3407



97.7402, 0.3127, 0.3290



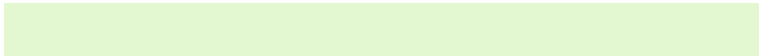
20.4902, 0.3127, 0.3290

Same Dimension

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



49.4819, 0.3210, 0.3620



87.5675, 0.3230, 0.3706



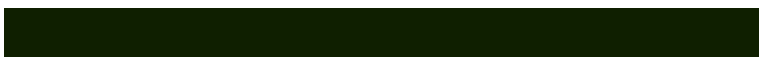
48.1428, 0.3108, 0.3624



10.8678, 0.3186, 0.3522



26.0149, 0.3346, 0.5725



1.0580, 0.3536, 0.5574

Inverse Universe

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



40.6336, 0.3035, 0.2961



68.2954, 0.3009, 0.2876



42.1041, 0.3146, 0.2977



9.4631, 0.3063, 0.3059



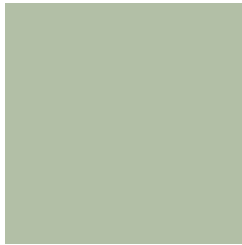
4.2808, 0.2076, 0.0917



0.2064, 0.2337, 0.1061

Previews

White Background



This preview shows how the Yxy color 49.4798, 0.3210, 0.3620 looks on a white background.

Color Contrast Check

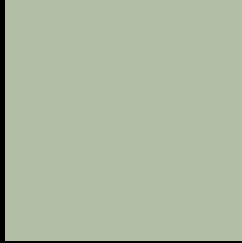
Large Text (above 18pt) WCAG AA × Fail

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 49.4798, 0.3210, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

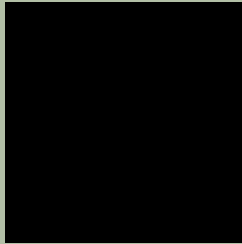
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4798, 0.3210, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 49.4798, 0.3210, 0.3620.



This preview shows how white text looks on a background with the Yxy color 49.4798, 0.3210, 0.3620.

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

49.4798, 0.3210, 0.3620

Protanopia

49.3643, 0.3388, 0.3583

Deuteranopia

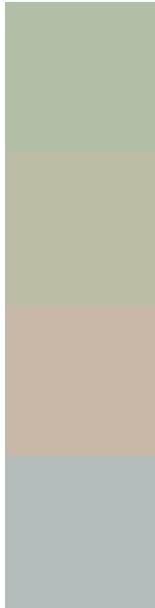
49.3186, 0.3502, 0.3437



Tritanopia

49.4021, 0.2990, 0.3101

Trichromacy



Original Color

49.4798, 0.3210, 0.3620

Protanomaly

49.4656, 0.3324, 0.3600

Deuteranomaly

49.2131, 0.3395, 0.3505

Tritanomaly

49.4210, 0.3070, 0.3290

Monochromacy



Original Color

49.4798, 0.3210, 0.3620

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6601, 0.3163, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4798, 0.3210, 0.3620 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(178, 191, 166)` looks like.

```
.text, #text, p{  
    color:rgb(178, 191, 166)  
}
```

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(178, 191, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 191, 166) }
```

Border

The CSS property to change the border of an element to Yxy 49.4798, 0.3210, 0.3620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

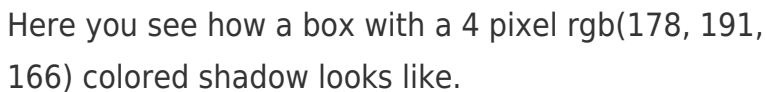
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 191, 166) }
```

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

```
.border{ border-color:rgb(178, 191, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 191, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 191, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 191, 166); box-shadow:4px 4px 4px 4px rgb(178, 191, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4798, 0.3210, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 191, 166) }
```

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

```
.background{ background-color: rgb(178,  
191, 166) }
```

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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