

Converting Colors

$Y_{xy}(49.8255, 0.3121, 0.3420)$

Have a look what the booklet for
Yxy(49.8255, 0.3121, 0.3420)
contains.

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Color

Yxy(49.8255, 0.3121, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	B4BEB4
RGB	180, 190, 180
RGB Percent	71%, 75%, 71%
CMY	0.2942, 0.2549, 0.2942
CMYK	0.05, 0.00, 0.05, 0.25
HSL	120°, 7%, 73%
HSV	120°, 5%, 75%
XYZ	45.4694, 49.8255, 50.3937
YIQ	185.8700, -2.7500, -5.2300

Conversions

Conversions Part 2

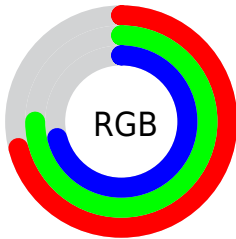
Format	Color
RYB	180, 190, 190
Decimal	11845300
CIELab	75.96, -5.34, 3.85
CIELCh	76, 6.584, 144.201
Yxy	49.8255, 0.3121, 0.3420
Android (android.graphics.Color)	4290035380 (0xFFB4BEB4)
YUV	185.8700, -2.8939, -5.1480
Hunter-Lab	70.5872, -8.5451, 7.0826

Details

The Yxy color **49.8255, 0.3121, 0.3420** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3012, 0.3133, 0.3163**, and the grayscale version is **49.0430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8005, 0.3122, 0.3391**, and **23.9357, 0.3119, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **46.9800, 0.3108, 0.3693**, and if you desaturate by 10%, it is **53.0938, 0.3132, 0.3182**.

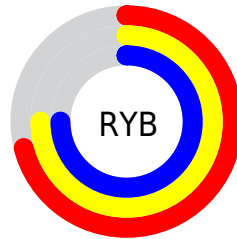
Distribution



Red (71%)

Green (75%)

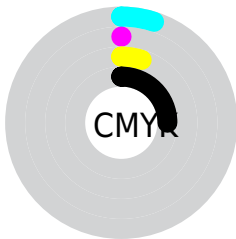
Blue (71%)



Red (71%)

Yellow (75%)

Blue (75%)

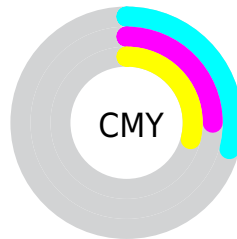


Cyan (5%)

Magenta (0%)

Yellow (5%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8255, 0.3121, 0.3420 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 49.8255, 0.3121, 0.3420 by changing the saturation by 10% instead.

■ 49.8255, 0.3121,
0.3420

■ 49.8255, 0.3121,
0.3420

■ 385.9831, 0.3124,
0.3355

■ 35.2748, 0.3120,
0.3436

■ 89.9163, 0.3122,
0.3396

■ 23.8746, 0.3119,
0.3457

■ 116.2251, 0.3123,
0.3388

■ 15.2406, 0.3117,
0.3484

■ 147.2221, 0.3123,
0.3380

■ 8.9884, 0.3115,
0.3523

■ 183.2916, 0.3123,
0.3374

■ 4.7336, 0.3111,
0.3581

■ 224.8181, 0.3124,
0.3368

■ 2.0918, 0.3103,
0.3676

■ 272.1859, 0.3124,


■ 0.6600, 0.3094,


0.3363


0.4109


325.7795, 0.3124,
0.3359

 0.0000, 0.0000,
0.0000


 49.8255, 0.3121,
0.3420

 49.8255, 0.3121,
0.3420


 46.9800, 0.3108,
0.3693

 53.0938, 0.3132,
0.3182


 44.5342, 0.3094,
0.3999


 56.7946, 0.3142,
0.2976

 42.4719, 0.3078,
0.4334

 60.9451, 0.3151,
0.2798

 40.7738, 0.3061,
0.4688

 65.3119, 0.3157,
0.2653

 39.4187, 0.3044,
0.5042

■ 38.3833, 0.3029,
0.5371

■ 37.6414, 0.3016,
0.5648

■ 37.1626, 0.3007,
0.5849

■ 36.9097, 0.3002,
0.5963

Harmonies

Analogous

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



49.8255, 0.3210, 0.3447



49.8255, 0.3121, 0.3420



49.8255, 0.3035, 0.3356

Triad

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



49.8255, 0.3121, 0.3420



49.8255, 0.2978, 0.3149



49.8255, 0.3283, 0.3302

Complementary

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



49.8255, 0.3121, 0.3420



47.3012, 0.3133, 0.3163

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.



49.8255, 0.3220, 0.3225



49.8255, 0.3121, 0.3420



49.8255, 0.3043, 0.3137

Square

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



49.8255, 0.3121, 0.3420



49.8255, 0.2953, 0.3199



49.8255, 0.3132, 0.3165



49.8255, 0.3305, 0.3377

Rectangle

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



49.8255, 0.3121, 0.3420



49.8255, 0.2990, 0.3303



49.8255, 0.3132, 0.3165



49.8255, 0.3266, 0.3275

Sweetspot

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



49.8276, 0.3121, 0.3420



92.1197, 0.3125, 0.3339



51.0750, 0.3204, 0.3417



20.2415, 0.3125, 0.3336



97.7402, 0.3127, 0.3290



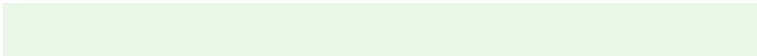
20.4902, 0.3127, 0.3290

Same Dimension

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



49.8276, 0.3121, 0.3420



89.8327, 0.3120, 0.3441



50.0354, 0.3083, 0.3355



10.8306, 0.3119, 0.3453



24.4881, 0.3000, 0.5999



0.9593, 0.2999, 0.5997

Inverse Universe

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



47.3012, 0.3133, 0.3163



84.5744, 0.3134, 0.3143



47.0859, 0.3173, 0.3226



10.1503, 0.3135, 0.3133



9.7472, 0.3211, 0.1543



0.3818, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 49.8255, 0.3121, 0.3420 looks on a white background.

Color Contrast Check

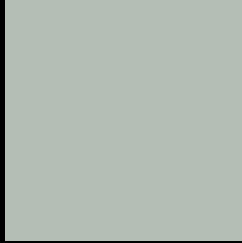
Large Text (above 18pt) WCAG AA × Fail

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 49.8255, 0.3121, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

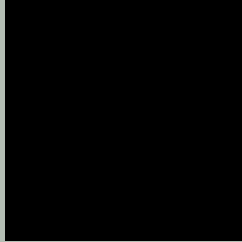
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

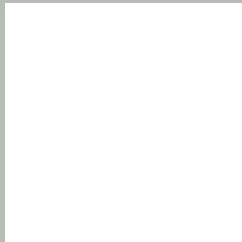
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8255, 0.3121, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 49.8255, 0.3121, 0.3420.



This preview shows how white text looks on a background with the Yxy color 49.8255, 0.3121, 0.3420.

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

49.8255, 0.3121, 0.3420

Protanopia

49.6696, 0.3249, 0.3391

Deuteranopia

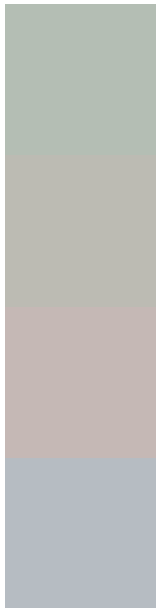
49.6905, 0.3345, 0.3278



Tritanopia

49.8722, 0.2982, 0.3101

Trichromacy



Original Color

49.8255, 0.3121, 0.3420

Protanomaly

49.4867, 0.3198, 0.3392

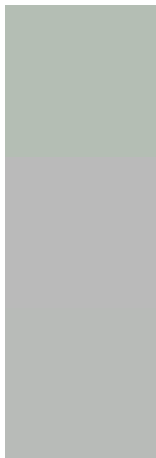
Deuteranomaly

49.4875, 0.3262, 0.3328

Tritanomaly

49.8066, 0.3033, 0.3213

Monochromacy



Original Color

49.8255, 0.3121, 0.3420

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1917, 0.3125, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8255, 0.3121, 0.3420 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(180, 190, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 180)  
}
```

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(180, 190, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 180) }
```

Border

The CSS property to change the border of an element to Yxy 49.8255, 0.3121, 0.3420 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(180, 190, 180) }
```

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

```
.border{ border-color:rgb(180, 190, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 190, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 190, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 190, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 190,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8255, 0.3121, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 190, 180) }
```

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

```
.background{ background-color: rgb(180,  
190, 180) }
```

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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