

Converting Colors

$Yxy(48.5956, 0.3201, 0.3563)$

Have a look what the booklet for
Yxy(48.5956, 0.3201, 0.3563)
contains.

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Color

Yxy(48.6873, 0.3197, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	B2BDA8
RGB	178, 189, 168
RGB Percent	70%, 74%, 66%
CMY	0.3020, 0.2588, 0.3412
CMYK	0.06, 0.00, 0.11, 0.26
HSL	91°, 14%, 70%
HSV	91°, 11%, 74%
XYZ	43.6248, 48.6873, 44.1433
YIQ	183.3170, 0.1850, -8.8630

Conversions

Conversions Part 2

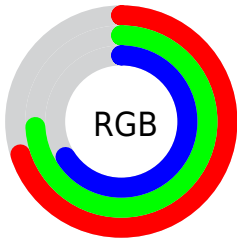
Format	Color
RYB	168, 189, 179
Decimal	11713960
CIELab	75.26, -7.66, 9.31
CIELCh	75, 12.059, 129.430
Yxy	48.6873, 0.3197, 0.3568
Android (android.graphics.Color)	4289904040 (0xFFB2BDA8)
YUV	183.3170, -7.5513, -4.6630
Hunter-Lab	69.7763, -10.5086, 11.3341

Details

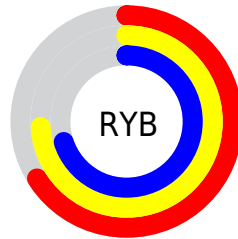
The Yxy color **48.6873, 0.3197, 0.3568** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2643, 0.3051, 0.3013**, and the grayscale version is **47.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1250, 0.3188, 0.3516**, and **23.2292, 0.3211, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **46.9056, 0.3259, 0.3840**, and if you desaturate by 10%, it is **50.6602, 0.3134, 0.3317**.

Distribution



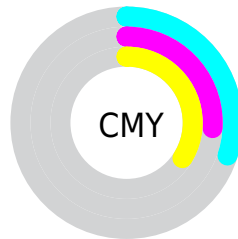
- Red (70%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (74%)
- Blue (70%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)




- Cyan (30%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6873, 0.3197, 0.3568 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 48.6873, 0.3197, 0.3568 by changing the saturation by 10% instead.


 48.6873, 0.3197,
0.3568


 48.6873, 0.3197,
0.3568

381.5100, 0.3163,
0.3428

 34.3715, 0.3205,
0.3603


 88.2268, 0.3185,
0.3517

 23.1791, 0.3215,
0.3649


 114.2194, 0.3180,
0.3498

 14.7258, 0.3228,
0.3710

144.8729, 0.3177,
0.3482

 8.6272, 0.3245,
0.3796

180.5719, 0.3173,
0.3468

 4.4988, 0.3269,
0.3925

221.7007, 0.3170,
0.3456

 1.9563, 0.3304,
0.4143

268.6437, 0.3168,

 0.5819, 0.3862,

0.3445

0.6138

321.7854, 0.3165,
0.3436

0.0000, 0.0000,
0.0000

48.6873, 0.3197,
0.3568

48.6873, 0.3197,
0.3568

46.9056, 0.3259,
0.3840

50.6602, 0.3134,
0.3317

45.3027, 0.3316,
0.4130

52.8238, 0.3072,
0.3088

43.8741, 0.3367,
0.4429


55.1859, 0.3012,
0.2882

42.6127, 0.3405,
0.4728


57.7517, 0.2955,
0.2697


41.5111, 0.3429,
0.5013


60.0337, 0.2951,
0.2602

 40.5609, 0.3433,
0.5268


 61.6960, 0.3025,
0.2617

 39.7529, 0.3416,
0.5480

 63.4525, 0.3099,
0.2632

 39.0764, 0.3378,
0.5637

 64.8776, 0.3157,
0.2644

 38.5690, 0.3333,
0.5736

Harmonies

Analogous

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



48.6873, 0.3348, 0.3576



48.6873, 0.3197, 0.3568



48.6873, 0.3030, 0.3479

Triad

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



48.6873, 0.3197, 0.3568



48.6873, 0.2822, 0.3067



48.6873, 0.3366, 0.3239

Complementary

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



48.6873, 0.3197, 0.3568



41.2643, 0.3051, 0.3013

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.



48.6873, 0.3219, 0.3112



48.6873, 0.3197, 0.3568



48.6873, 0.2906, 0.3012

Square

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



48.6873, 0.3197, 0.3568



48.6873, 0.2817, 0.3184



48.6873, 0.3051, 0.3029



48.6873, 0.3448, 0.3382

Rectangle

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



48.6873, 0.3197, 0.3568



48.6873, 0.2933, 0.3387



48.6873, 0.3051, 0.3029



48.6873, 0.3323, 0.3193

Sweetspot

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



48.6894, 0.3197, 0.3568



90.0172, 0.3146, 0.3364



45.8279, 0.3306, 0.3432



19.2950, 0.3151, 0.3383



95.5105, 0.3127, 0.3290



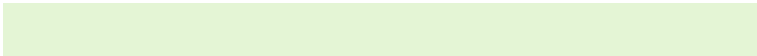
19.5994, 0.3127, 0.3290

Same Dimension

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



48.6894, 0.3197, 0.3568



86.5007, 0.3210, 0.3623



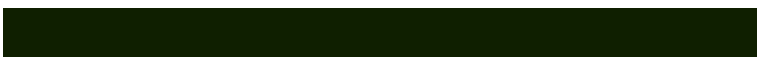
47.5626, 0.3111, 0.3570



10.8663, 0.3186, 0.3522



25.9936, 0.3342, 0.5728



1.0571, 0.3532, 0.5577

Inverse Universe

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



41.2643, 0.3051, 0.3013



70.9226, 0.3035, 0.2958



42.4839, 0.3143, 0.3025



9.4647, 0.3064, 0.3059



4.3045, 0.2082, 0.0921



0.2073, 0.2342, 0.1064

Previews

White Background



This preview shows how the Yxy color 48.6873, 0.3197, 0.3568 looks on a white background.

Color Contrast Check

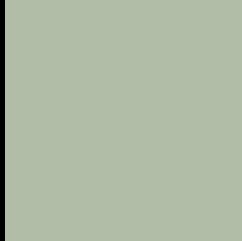
Large Text (above 18pt) WCAG AA × Fail

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 48.6873, 0.3197, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

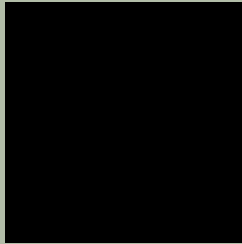
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

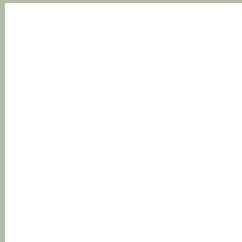
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6873, 0.3197, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 48.6873, 0.3197, 0.3568.



This preview shows how white text looks on a background with the Yxy color 48.6873, 0.3197, 0.3568.

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

48.6873, 0.3197, 0.3568

Protanopia

48.7886, 0.3348, 0.3534

Deuteranopia

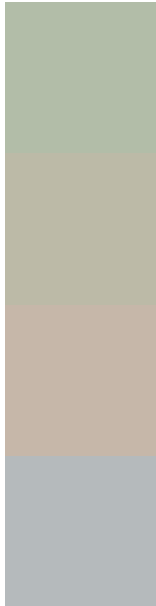
48.6978, 0.3469, 0.3401



Tritanopia

48.8887, 0.3004, 0.3113

Trichromacy



Original Color

48.6873, 0.3197, 0.3568

Protanomaly

48.5992, 0.3294, 0.3536

Deuteranomaly

48.7373, 0.3371, 0.3467

Tritanomaly

48.5724, 0.3071, 0.3264

Monochromacy



Original Color

48.6873, 0.3197, 0.3568

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7360, 0.3148, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6873, 0.3197, 0.3568 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, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(178, 189, 168)  
}
```

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, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 48.6873, 0.3197, 0.3568 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, 189, 168) }
```

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

```
.border{ border-color:rgb(178, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(178, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6873, 0.3197, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 189, 168) }
```

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

```
.background{ background-color: rgb(178,  
189, 168) }
```

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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