

Converting Colors

Yxy(51.9860, 0.3140, 0.3687)

Have a look what the booklet for
Yxy(51.9860, 0.3140, 0.3687)
contains.

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Color

Yxy(51.9860, 0.3140, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	ACC6A8
RGB	172, 198, 168
RGB Percent	67%, 78%, 66%
CMY	0.3255, 0.2235, 0.3412
CMYK	0.13, 0.00, 0.15, 0.22
HSL	112°, 21%, 72%
HSV	112°, 15%, 78%
XYZ	44.2734, 51.9860, 44.7387
YIQ	186.8060, -5.8660, -14.8420

Conversions

Conversions Part 2

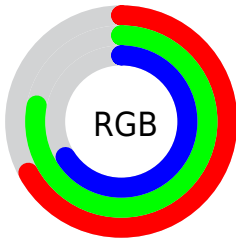
Format	Color
RYB	168, 198, 194
Decimal	11323048
CIELab	77.27, -14.45, 12.13
CIELCh	77, 18.863, 139.987
Yxy	51.9860, 0.3140, 0.3687
Android (android.graphics.Color)	4289513128 (0xFFACC6A8)
YUV	186.8060, -9.2714, -12.9849
Hunter-Lab	72.1013, -16.5704, 13.6816

Details

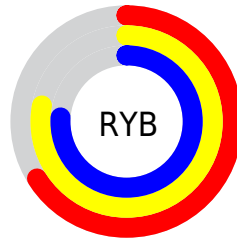
The Yxy color **51.9860, 0.3140, 0.3687** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.5460, 0.3109, 0.2915**, and the grayscale version is **49.6349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3417, 0.3143, 0.3618**, and **25.1294, 0.3135, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **49.4882, 0.3146, 0.3987**, and if you desaturate by 10%, it is **54.8511, 0.3132, 0.3417**.

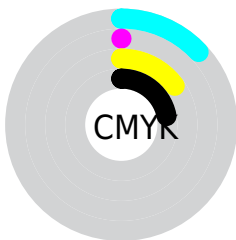
Distribution



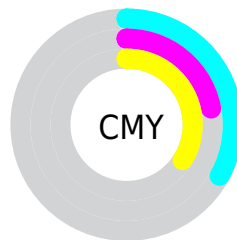
- Red (67%)
- Green (78%)
- Blue (66%)



- Red (66%)
- Yellow (78%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9860, 0.3140, 0.3687 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 51.9860, 0.3140, 0.3687 by changing the saturation by 10% instead.


 51.9860, 0.3140,
0.3687


 51.9860, 0.3140,
0.3687


394.3826, 0.3136,
0.3487

 36.9939, 0.3140,
0.3737


 93.1106, 0.3139,
0.3614

 25.2028, 0.3140,
0.3802


 120.0119, 0.3139,
0.3587

 16.2282, 0.3139,
0.3888


151.6517, 0.3138,
0.3564

 9.6858, 0.3136,
0.4010

188.4145, 0.3138,
0.3544

 5.1911, 0.3128,
0.4192

230.6845, 0.3137,
0.3527

 2.3598, 0.3106,
0.4494

278.8463, 0.3137,

 0.8051, 0.3310,

0.3512

0.6460

333.2842, 0.3136,
0.3499

0.0000, 0.0000,
0.0000

51.9860, 0.3140,
0.3687

51.9860, 0.3140,
0.3687

49.4882, 0.3146,
0.3987

54.8511, 0.3132,
0.3417

47.3366, 0.3148,
0.4313

58.0907, 0.3122,
0.3178

45.5178, 0.3145,
0.4655

61.7201, 0.3112,
0.2969

44.0149, 0.3136,
0.4997

65.7515, 0.3101,
0.2787

42.8098, 0.3121,
0.5318

68.8713, 0.3153,
0.2732

■ 41.8823, 0.3100,
0.5593

■ 41.2097, 0.3074,
0.5801

■ 40.7654, 0.3045,
0.5930

■ 40.6170, 0.3034,
0.5973

Harmonies

Analogous

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



51.9860, 0.3388, 0.3742



51.9860, 0.3140, 0.3687



51.9860, 0.2895, 0.3511

Triad

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



51.9860, 0.3140, 0.3687



51.9860, 0.2697, 0.2908



51.9860, 0.3553, 0.3284

Complementary

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



51.9860, 0.3140, 0.3687



43.5460, 0.3109, 0.2915

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.



51.9860, 0.3354, 0.3081



51.9860, 0.3140, 0.3687



51.9860, 0.2859, 0.2868

Square

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



51.9860, 0.3140, 0.3687



51.9860, 0.2646, 0.3052



51.9860, 0.3098, 0.2932



51.9860, 0.3633, 0.3496

Rectangle

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



51.9860, 0.3140, 0.3687



51.9860, 0.2766, 0.3354



51.9860, 0.3098, 0.2932



51.9860, 0.3497, 0.3213

Sweetspot

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



51.9882, 0.3140, 0.3687



97.1707, 0.3132, 0.3415



53.1963, 0.3360, 0.3608



20.7164, 0.3133, 0.3433



0.0000, 0.0000, 0.0000



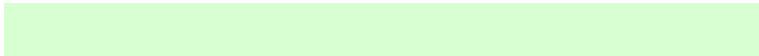
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9882, 0.3140, 0.3687



90.6109, 0.3142, 0.3777



51.9487, 0.3034, 0.3547



11.9547, 0.3136, 0.3527



26.4339, 0.3039, 0.5969



1.2745, 0.3146, 0.5884

Inverse Universe

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



43.5460, 0.3109, 0.2915



72.9852, 0.3104, 0.2836



43.6158, 0.3234, 0.3046



10.7420, 0.3117, 0.3061



8.3486, 0.2877, 0.1359



0.4158, 0.2951, 0.1399

Previews

White Background



This preview shows how the Yxy color 51.9860, 0.3140, 0.3687 looks on a white background.

Color Contrast Check

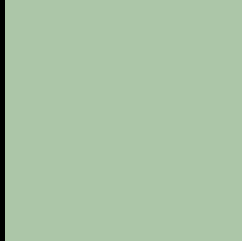
Large Text (above 18pt) WCAG AA × Fail

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 51.9860, 0.3140, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

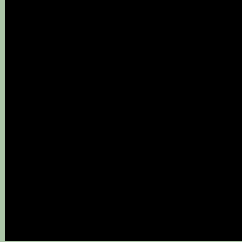
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

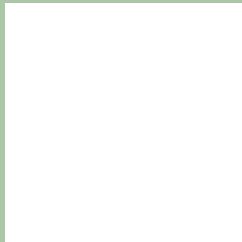
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9860, 0.3140, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 51.9860, 0.3140, 0.3687.



This preview shows how white text looks on a background with the Yxy color 51.9860, 0.3140, 0.3687.

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

51.9860, 0.3140, 0.3687

Protanopia

51.7866, 0.3416, 0.3615

Deuteranopia

51.8202, 0.3512, 0.3446



Tritanopia

51.7183, 0.2903, 0.3089

Trichromacy



Original Color

51.9860, 0.3140, 0.3687

Protanomaly

51.8037, 0.3316, 0.3648

Deuteranomaly

51.5768, 0.3369, 0.3527

Tritanomaly

51.6639, 0.2993, 0.3302

Monochromacy



Original Color

51.9860, 0.3140, 0.3687

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.5020, 0.3137, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9860, 0.3140, 0.3687 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(172, 198, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 198, 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(172, 198, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 198, 168) }
```

Border

The CSS property to change the border of an element to Yxy 51.9860, 0.3140, 0.3687 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(172, 198, 168) }
```

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

```
.border{ border-color:rgb(172, 198, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 198, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 198, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 198, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 198,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9860, 0.3140, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 198, 168) }
```

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

```
.background{ background-color: rgb(172,  
198, 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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