

Converting Colors

Yxy(51.2246, 0.3160, 0.3564)

Have a look what the booklet for
Yxy(51.2246, 0.3160, 0.3564)
contains.

Yxy(51.1844, 0.3163, 0.3564)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.1844, 0.3163, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	B3C2AD
RGB	179, 194, 173
RGB Percent	70%, 76%, 68%
CMY	0.2980, 0.2392, 0.3217
CMYK	0.08, 0.00, 0.11, 0.24
HSL	103°, 15%, 72%
HSV	103°, 11%, 76%
XYZ	45.4254, 51.1844, 47.0052
YIQ	187.1210, -2.1990, -9.7110

Conversions

Conversions Part 2

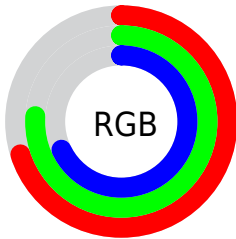
Format	Color
RYB	173, 194, 188
Decimal	11780781
CIELab	76.79, -9.04, 8.83
CIELCh	77, 12.633, 135.672
Yxy	51.1844, 0.3163, 0.3564
Android (android.graphics.Color)	4289970861 (0xFFB3C2AD)
YUV	187.1210, -6.9617, -7.1221
Hunter-Lab	71.5433, -11.8646, 11.1257

Details

The Yxy color **51.1844, 0.3163, 0.3564** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4572, 0.3087, 0.3022**, and the grayscale version is **49.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6348, 0.3161, 0.3513**, and **24.5723, 0.3166, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **48.9238, 0.3194, 0.3845**, and if you desaturate by 10%, it is **53.7236, 0.3130, 0.3310**.

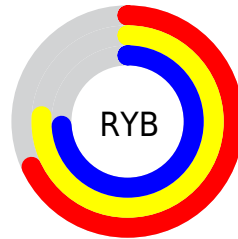
Distribution



Red (70%)

Green (76%)

Blue (68%)



Red (68%)

Yellow (76%)

Blue (74%)

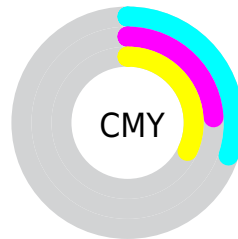


Cyan (8%)

Magenta (0%)

Yellow (11%)

Black (24%)



Cyan (30%)


Magenta (24%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1844, 0.3163, 0.3564 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 51.1844, 0.3163, 0.3564 by changing the saturation by 10% instead.


 51.1844, 0.3163,
0.3564

 51.1844, 0.3163,
0.3564


391.2798, 0.3146,
0.3427

 36.3554, 0.3167,
0.3598


 91.9273, 0.3157,
0.3514

 24.7088, 0.3171,
0.3642


118.6099, 0.3155,
0.3495

 15.8602, 0.3177,
0.3701


150.0126, 0.3153,
0.3480

 9.4253, 0.3184,
0.3783

186.5197, 0.3151,
0.3466

 5.0196, 0.3193,
0.3906

228.5155, 0.3150,
0.3454

 2.2588, 0.3203,
0.4109

276.3846, 0.3149,

 0.7518, 0.3413,

0.3444

0.5195

330.5112, 0.3147,
0.3435

0.0000, 0.0000,
0.0000

51.1844, 0.3163,
0.3564

51.1844, 0.3163,
0.3564

48.9238, 0.3194,
0.3845

53.7236, 0.3130,
0.3310

46.9257, 0.3221,
0.4148

56.5438, 0.3096,
0.3083

45.1821, 0.3242,
0.4469

59.6558, 0.3064,
0.2882

43.6824, 0.3254,
0.4794

63.0679, 0.3032,
0.2706

42.4149, 0.3254,
0.5109

65.7857, 0.3104,
0.2683

■ 41.3670, 0.3240,
0.5393

■ 67.0648, 0.3155,
0.2693

■ 40.5247, 0.3212,
0.5627

■ 39.8723, 0.3171,
0.5796

■ 39.4190, 0.3129,
0.5898

Harmonies

Analogous

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



51.1844, 0.3326, 0.3590



51.1844, 0.3163, 0.3564



51.1844, 0.2994, 0.3458

Triad

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



51.1844, 0.3163, 0.3564



51.1844, 0.2825, 0.3043



51.1844, 0.3398, 0.3267

Complementary

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



51.1844, 0.3163, 0.3564



44.4572, 0.3087, 0.3022

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.



51.1844, 0.3257, 0.3131



51.1844, 0.3163, 0.3564



51.1844, 0.2927, 0.3002

Square

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



51.1844, 0.3163, 0.3564



51.1844, 0.2802, 0.3152



51.1844, 0.3084, 0.3034



51.1844, 0.3464, 0.3414

Rectangle

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



51.1844, 0.3163, 0.3564



51.1844, 0.2900, 0.3358



51.1844, 0.3084, 0.3034



51.1844, 0.3357, 0.3219

Sweetspot

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



51.1866, 0.3163, 0.3564



96.2727, 0.3137, 0.3364



50.3213, 0.3296, 0.3476



20.9984, 0.3140, 0.3384



0.0000, 0.0000, 0.0000



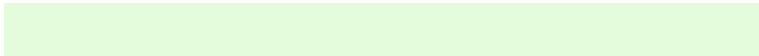
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1866, 0.3163, 0.3564



91.7204, 0.3171, 0.3628



50.6472, 0.3083, 0.3511



11.3959, 0.3158, 0.3525



25.9527, 0.3137, 0.5891



1.1576, 0.3315, 0.5750

Inverse Universe

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



44.4572, 0.3087, 0.3022



77.1075, 0.3077, 0.2962



45.0546, 0.3174, 0.3078



10.0974, 0.3093, 0.3060



6.1697, 0.2500, 0.1151



0.3002, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 51.1844, 0.3163, 0.3564 looks on a white background.

Color Contrast Check

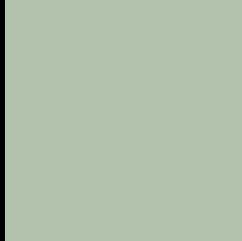
Large Text (above 18pt) WCAG AA × Fail

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 51.1844, 0.3163, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

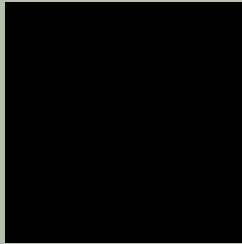
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

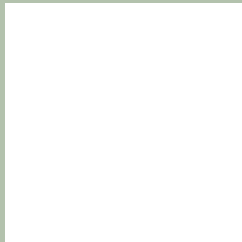
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1844, 0.3163, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 51.1844, 0.3163, 0.3564.



This preview shows how white text looks on a background with the Yxy color 51.1844, 0.3163, 0.3564.

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

51.1844, 0.3163, 0.3564

Protanopia

51.1678, 0.3343, 0.3529

Deuteranopia

51.1083, 0.3454, 0.3387



Tritanopia

50.9452, 0.2976, 0.3103

Trichromacy



Original Color

51.1844, 0.3163, 0.3564

Protanomaly

51.1490, 0.3273, 0.3545

Deuteranomaly

51.0141, 0.3349, 0.3452

Tritanomaly

51.0569, 0.3040, 0.3264

Monochromacy



Original Color

51.1844, 0.3163, 0.3564

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.3947, 0.3139, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1844, 0.3163, 0.3564 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(179, 194, 173)` looks like.

```
.text, #text, p{  
    color:rgb(179, 194, 173)  
}
```

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(179, 194, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 194, 173) }
```

Border

The CSS property to change the border of an element to Yxy 51.1844, 0.3163, 0.3564 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(179, 194, 173) }
```

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

```
.border{ border-color:rgb(179, 194, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 194, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 194, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 194, 173);  
box-shadow:4px 4px 4px 4px rgb(179, 194,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1844, 0.3163, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 194, 173) }
```

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

```
.background{ background-color: rgb(179,  
194, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor