

Converting Colors

$Yxy(50.9147, 0.3172, 0.3601)$

Have a look what the booklet for
Yxy(50.9147, 0.3172, 0.3601)
contains.

Yxy(50.9508, 0.3177, 0.3604)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.9508, 0.3177, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	B2C2AA
RGB	178, 194, 170
RGB Percent	70%, 76%, 67%
CMY	0.3018, 0.2392, 0.3332
CMYK	0.08, 0.00, 0.12, 0.24
HSL	100°, 16%, 71%
HSV	100°, 12%, 76%
XYZ	44.9142, 50.9508, 45.5079
YIQ	186.4800, -1.8320, -10.8560

Conversions

Conversions Part 2

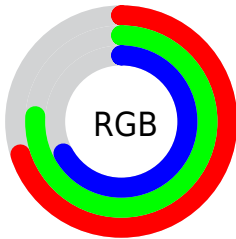
Format	Color
RYB	170, 194, 186
Decimal	11715242
CIELab	76.65, -9.90, 10.21
CIELCh	77, 14.219, 134.127
Yxy	50.9508, 0.3177, 0.3604
Android (android.graphics.Color)	4289905322 (0xFFB2C2AA)
YUV	186.4800, -8.1246, -7.4370
Hunter-Lab	71.3798, -12.5975, 12.1658

Details

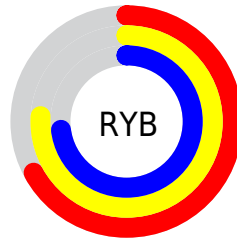
The Yxy color **50.9508, 0.3177, 0.3604** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0902, 0.3071, 0.2983**, and the grayscale version is **49.4377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9230, 0.3172, 0.3555**, and **24.4241, 0.3185, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **48.8147, 0.3215, 0.3886**, and if you desaturate by 10%, it is **53.3436, 0.3137, 0.3347**.

Distribution



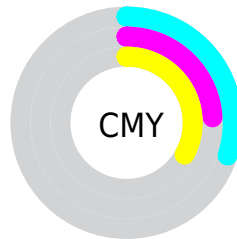
- Red (70%)
- Green (76%)
- Blue (67%)



- Red (67%)
- Yellow (76%)
- Blue (73%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)




- Cyan (30%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9508, 0.3177, 0.3604 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 50.9508, 0.3177, 0.3604 by changing the saturation by 10% instead.


 50.9508, 0.3177,
0.3604

 50.9508, 0.3177,
0.3604


390.3726, 0.3154,
0.3447

 36.1695, 0.3182,
0.3643


 91.5820, 0.3169,
0.3547

 24.5651, 0.3189,
0.3694


118.2007, 0.3166,
0.3525

 15.7533, 0.3197,
0.3762

149.5340, 0.3163,
0.3507

 9.3498, 0.3207,
0.3857

185.9662, 0.3161,
0.3491

 4.9700, 0.3219,
0.3999

227.8818, 0.3159,
0.3478

 2.2297, 0.3234,
0.4235

275.6651, 0.3157,

 0.7361, 0.3572,

0.3466

0.5742

329.7006, 0.3155,
0.3456

0.0000, 0.0000,
0.0000

50.9508, 0.3177,
0.3604

50.9508, 0.3177,
0.3604

48.8147, 0.3215,
0.3886

53.3436, 0.3137,
0.3347

46.9200, 0.3249,
0.4189

55.9947, 0.3096,
0.3116

45.2597, 0.3276,
0.4506

58.9143, 0.3056,
0.2910

43.8240, 0.3292,
0.4825

62.1097, 0.3018,
0.2728

42.6023, 0.3294,
0.5130

64.7896, 0.3063,
0.2675

■ 41.5829, 0.3281,
0.5402

■ 67.0613, 0.3155,
0.2693

■ 40.7531, 0.3252,
0.5623

■ 40.0981, 0.3208,
0.5781

■ 39.6984, 0.3170,
0.5865

Harmonies

Analogous

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



50.9508, 0.3359, 0.3628



50.9508, 0.3177, 0.3604



50.9508, 0.2986, 0.3488

Triad

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



50.9508, 0.3177, 0.3604



50.9508, 0.2783, 0.3016



50.9508, 0.3426, 0.3255

Complementary

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



50.9508, 0.3177, 0.3604



43.0902, 0.3071, 0.2983

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.



50.9508, 0.3264, 0.3104



50.9508, 0.3177, 0.3604



50.9508, 0.2893, 0.2966

Square

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



50.9508, 0.3177, 0.3604



50.9508, 0.2762, 0.3141



50.9508, 0.3068, 0.2999



50.9508, 0.3506, 0.3420

Rectangle

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



50.9508, 0.3177, 0.3604



50.9508, 0.2878, 0.3375



50.9508, 0.3068, 0.2999



50.9508, 0.3379, 0.3202

Sweetspot

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



50.9530, 0.3177, 0.3604



95.8789, 0.3144, 0.3389



49.3232, 0.3323, 0.3488



20.9215, 0.3147, 0.3408



0.0000, 0.0000, 0.0000



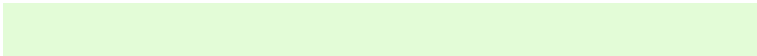
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9530, 0.3177, 0.3604



91.1573, 0.3188, 0.3683



50.1710, 0.3086, 0.3561



11.4186, 0.3165, 0.3524



26.1426, 0.3179, 0.5858



1.1677, 0.3361, 0.5713

Inverse Universe

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



43.0902, 0.3071, 0.2983



73.9357, 0.3056, 0.2908



43.9618, 0.3171, 0.3033



10.0736, 0.3086, 0.3059



5.6858, 0.2390, 0.1090



0.2821, 0.2577, 0.1194

Previews

White Background



This preview shows how the Yxy color 50.9508, 0.3177, 0.3604 looks on a white background.

Color Contrast Check

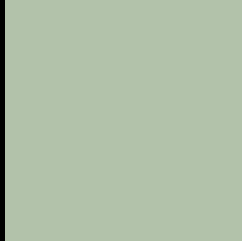
Large Text (above 18pt) WCAG AA × Fail

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 50.9508, 0.3177, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

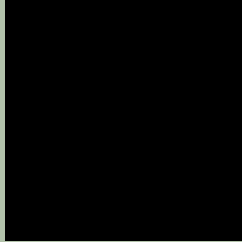
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9508, 0.3177, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 50.9508, 0.3177, 0.3604.



This preview shows how white text looks on a background with the Yxy color 50.9508, 0.3177, 0.3604.

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

50.9508, 0.3177, 0.3604

Protanopia

50.6268, 0.3369, 0.3555

Deuteranopia

50.5806, 0.3481, 0.3411



Tritanopia

50.8221, 0.2968, 0.3102

Trichromacy



Original Color

50.9508, 0.3177, 0.3604

Protanomaly

50.6012, 0.3298, 0.3572

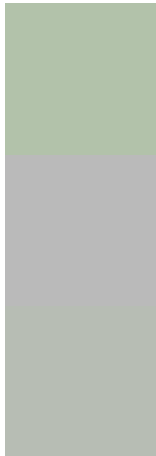
Deuteranomaly

50.3374, 0.3367, 0.3478

Tritanomaly

50.8911, 0.3039, 0.3277

Monochromacy



Original Color

50.9508, 0.3177, 0.3604

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.7578, 0.3146, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9508, 0.3177, 0.3604 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, 194, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 194, 170)  
}
```

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, 194, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 194, 170) }
```

Border

The CSS property to change the border of an element to Yxy 50.9508, 0.3177, 0.3604 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, 194, 170) }
```

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

```
.border{ border-color:rgb(178, 194, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 194, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 194, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 194, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 194,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9508, 0.3177, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 194, 170) }
```

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

```
.background{ background-color: rgb(178,  
194, 170) }
```

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