

Converting Colors

$Yxy(47.9748, 0.3162, 0.3798)$

Have a look what the booklet for
Yxy(47.9748, 0.3162, 0.3798)
contains.

Yxy(47.8861, 0.3160, 0.3788)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.8861, 0.3160, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	A3C09C
RGB	163, 192, 156
RGB Percent	64%, 75%, 61%
CMY	0.3609, 0.2470, 0.3883
CMYK	0.15, 0.00, 0.19, 0.25
HSL	108°, 22%, 68%
HSV	108°, 19%, 75%
XYZ	39.9472, 47.8861, 38.5819
YIQ	179.2250, -5.7280, -17.3440

Conversions

Conversions Part 2

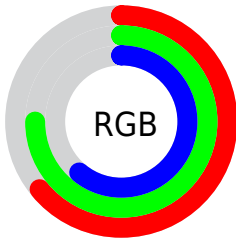
Format	Color
RYB	156, 192, 185
Decimal	10731676
CIELab	74.75, -16.65, 14.94
CIElCh	75, 22.371, 138.086
Yxy	47.8861, 0.3160, 0.3788
Android (android.graphics.Color)	4288921756 (0xFFA3C09C)
YUV	179.2250, -11.4499, -14.2293
Hunter-Lab	69.1998, -18.0562, 15.3831

Details

The Yxy color $47.8861, 0.3160, 0.3788$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $37.8970, 0.3083, 0.2821$, and the grayscale version is $45.2668, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7434, 0.3153, 0.3684$, and $22.5764, 0.3162, 0.3924$ is the 20% darker color. If you saturate the color by 10%, you get $45.7532, 0.3174, 0.4093$, and if you desaturate by 10%, it is $50.3261, 0.3143, 0.3510$.

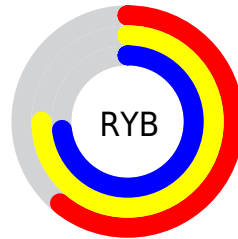
Distribution



Red (64%)

Green (75%)

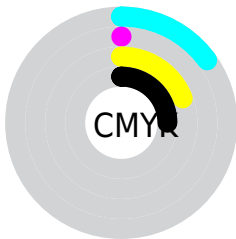
Blue (61%)



Red (61%)

Yellow (75%)

Blue (73%)

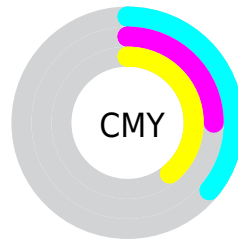


Cyan (15%)

Magenta (0%)

Yellow (19%)

Black (25%)



Cyan (36%)

Magenta (25%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8861, 0.3160, 0.3788 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 47.8861, 0.3160, 0.3788 by changing the saturation by 10% instead.

■ 47.8861, 0.3160,
0.3788

■ 47.8861, 0.3160,
0.3788

378.3405, 0.3147,
0.3533

■ 33.7367, 0.3162,
0.3854

■ 87.0348, 0.3156,
0.3694

■ 22.6914, 0.3163,
0.3939

■ 112.8029, 0.3155,
0.3659

■ 14.3658, 0.3164,
0.4054

143.2126, 0.3153,
0.3630

■ 8.3755, 0.3162,
0.4219

178.6485, 0.3152,
0.3605

■ 4.3362, 0.3153,
0.4471

219.4948, 0.3151,
0.3583

■ 1.8633, 0.3132,
0.4928

266.1360, 0.3149,

■ 0.5262, 0.1512,

0.3564

0.8488

318.9564, 0.3148,
0.3548

0.0000, 0.0000,
0.0000

47.8861, 0.3160,
0.3788

47.8861, 0.3160,
0.3788

45.7532, 0.3174,
0.4093

50.3261, 0.3143,
0.3510

43.9091, 0.3182,
0.4420

53.0783, 0.3125,
0.3261

42.3431, 0.3184,
0.4757

56.1555, 0.3106,
0.3041

41.0414, 0.3178,
0.5087

59.5679, 0.3086,
0.2848

39.9888, 0.3162,
0.5389

63.3254, 0.3068,
0.2680

■ 39.1689, 0.3137,
0.5641

■ 66.1861, 0.3156,
0.2673

■ 38.5626, 0.3103,
0.5825

■ 38.1444, 0.3067,
0.5938

■ 38.1027, 0.3064,
0.5949

Harmonies

Analogous

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



47.8861, 0.3460, 0.3841



47.8861, 0.3160, 0.3788



47.8861, 0.2861, 0.3578

Triad

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



47.8861, 0.3160, 0.3788



47.8861, 0.2598, 0.2833



47.8861, 0.3636, 0.3263

Complementary

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



47.8861, 0.3160, 0.3788



37.8970, 0.3083, 0.2821

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.



47.8861, 0.3384, 0.3024



47.8861, 0.3160, 0.3788



47.8861, 0.2785, 0.2779

Square

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



47.8861, 0.3160, 0.3788



47.8861, 0.2547, 0.3012



47.8861, 0.3070, 0.2850



47.8861, 0.3744, 0.3520

Rectangle

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



47.8861, 0.3160, 0.3788



47.8861, 0.2702, 0.3385



47.8861, 0.3070, 0.2850



47.8861, 0.3564, 0.3179

Sweetspot

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



47.8882, 0.3160, 0.3788



92.4459, 0.3138, 0.3440



48.2263, 0.3422, 0.3663



19.7646, 0.3140, 0.3457



97.7402, 0.3127, 0.3290



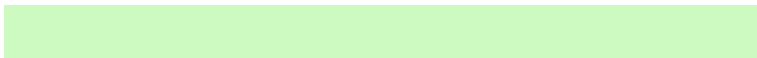
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8882, 0.3160, 0.3788



84.9078, 0.3167, 0.3926



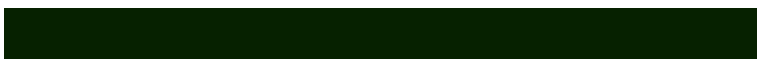
47.5547, 0.3025, 0.3641



11.3506, 0.3144, 0.3526



25.6605, 0.3070, 0.5944



1.1375, 0.3219, 0.5826

Inverse Universe

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



37.8970, 0.3083, 0.2821



63.0920, 0.3070, 0.2701



38.3245, 0.3247, 0.2963



10.1458, 0.3107, 0.3061



7.2707, 0.2728, 0.1277



0.3400, 0.2842, 0.1339

Previews

White Background



This preview shows how the Yxy color 47.8861, 0.3160, 0.3788 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 47.8861, 0.3160, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

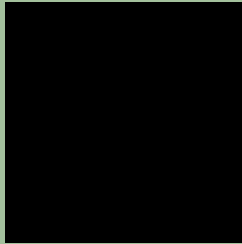
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8861, 0.3160, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 47.8861, 0.3160, 0.3788.



This preview shows how white text looks on a background with the Yxy color 47.8861, 0.3160, 0.3788.

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

47.8861, 0.3160, 0.3788

Protanopia

47.6033, 0.3477, 0.3691

Deuteranopia

47.6491, 0.3580, 0.3513



Tritanopia

47.8809, 0.2888, 0.3095

Trichromacy



Original Color

47.8861, 0.3160, 0.3788

Protanomaly

47.4850, 0.3363, 0.3728

Deuteranomaly

47.2620, 0.3420, 0.3601

Tritanomaly

47.6847, 0.2980, 0.3330

Monochromacy



Original Color

47.8861, 0.3160, 0.3788

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1055, 0.3136, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8861, 0.3160, 0.3788 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(163, 192, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 192, 156)  
}
```

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(163, 192, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 192, 156) }
```

Border

The CSS property to change the border of an element to Yxy 47.8861, 0.3160, 0.3788 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(163, 192, 156) }
```

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

```
.border{ border-color:rgb(163, 192, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 192, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 192, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 192, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 192,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8861, 0.3160, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 192, 156) }
```

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

```
.background{ background-color: rgb(163,  
192, 156) }
```

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