

Converting Colors

$Yxy(47.6305, 0.3332, 0.3719)$

Have a look what the booklet for
Yxy(47.6305, 0.3332, 0.3719)
contains.

Yxy(47.7310, 0.3328, 0.3716)	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(47.7310, 0.3328, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	B5BB9B
RGB	181, 187, 155
RGB Percent	71%, 73%, 61%
CMY	0.2901, 0.2667, 0.3922
CMYK	0.03, 0.00, 0.17, 0.27
HSL	71°, 19%, 67%
HSV	71°, 17%, 73%
XYZ	42.7472, 47.7310, 37.9690
YIQ	181.5580, 6.6960, -11.2240

Conversions

Conversions Part 2

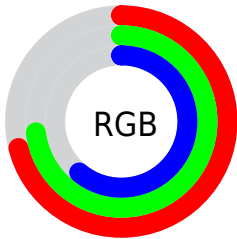
Format	Color
RYB	155, 187, 161
Decimal	11910043
CIELab	74.65, -7.67, 15.53
CIELCh	75, 17.320, 116.288
Yxy	47.7310, 0.3328, 0.3716
Android (android.graphics.Color)	4290100123 (0xFFB5BB9B)
YUV	181.5580, -13.0931, -0.4894
Hunter-Lab	69.0876, -10.4583, 15.7769

Details

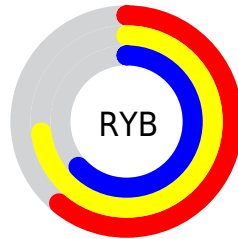
The Yxy color $47.7310, 0.3328, 0.3716$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.6037, 0.2905, 0.2841$, and the grayscale version is $46.5990, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7589, 0.3290, 0.3631$, and $22.6389, 0.3378, 0.3838$ is the 20% darker color. If you saturate the color by 10%, you get $46.7361, 0.3445, 0.3977$, and if you desaturate by 10%, it is $48.8380, 0.3210, 0.3463$.

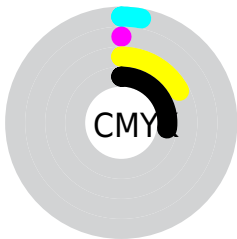
Distribution



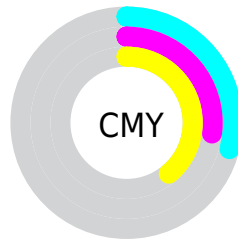
- Red (71%)
- Green (73%)
- Blue (61%)



- Red (61%)
- Yellow (73%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (29%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7310, 0.3328, 0.3716 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 47.7310, 0.3328, 0.3716 by changing the saturation by 10% instead.


 47.7310, 0.3328,
0.3716

 47.7310, 0.3328,
0.3716


377.7249, 0.3230,
0.3501

 33.6139, 0.3352,
0.3770


 86.8038, 0.3293,
0.3637

 22.5972, 0.3381,
0.3841


 112.5282, 0.3280,
0.3608

 14.2963, 0.3420,
0.3935


142.8906, 0.3268,
0.3583

 8.3271, 0.3472,
0.4067

178.2752, 0.3258,
0.3562

 4.3049, 0.3544,
0.4265

219.0666, 0.3250,
0.3543

 1.8456, 0.3672,
0.4623

265.6491, 0.3242,

 0.5153, 0.3699,

0.3527

0.6301

318.4070, 0.3236,
0.3513

0.0000, 0.0000,
0.0000

47.7310, 0.3328,
0.3716

47.7310, 0.3328,
0.3716

46.7361, 0.3445,
0.3977

48.8380, 0.3210,
0.3463

45.8424, 0.3558,
0.4238

50.0549, 0.3094,
0.3222

45.0472, 0.3661,
0.4491

51.3881, 0.2983,
0.2997

44.3450, 0.3748,
0.4725

52.8411, 0.2879,
0.2790

43.7301, 0.3815,
0.4929

54.4176, 0.2781,
0.2600

■ 43.1958, 0.3859,
0.5094

■ 55.3105, 0.2765,
0.2542

■ 42.7344, 0.3876,
0.5215

■ 55.8026, 0.2790,
0.2547

■ 42.3351, 0.3870,
0.5293

■ 56.3057, 0.2815,
0.2552

■ 42.2255, 0.3867,
0.5312

■ 56.8200, 0.2840,
0.2558

Harmonies

Analogous

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



47.7310, 0.3518, 0.3670



47.7310, 0.3328, 0.3716



47.7310, 0.3089, 0.3637

Triad

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



47.7310, 0.3328, 0.3716



47.7310, 0.2672, 0.3030



47.7310, 0.3388, 0.3130

Complementary

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



47.7310, 0.3328, 0.3716



34.6037, 0.2905, 0.2841

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.



47.7310, 0.3152, 0.2975



47.7310, 0.3328, 0.3716



47.7310, 0.2744, 0.2912

Square

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



47.7310, 0.3328, 0.3716



47.7310, 0.2716, 0.3227



47.7310, 0.2917, 0.2895



47.7310, 0.3556, 0.3328

Rectangle

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



47.7310, 0.3328, 0.3716



47.7310, 0.2935, 0.3523



47.7310, 0.2917, 0.2895



47.7310, 0.3313, 0.3072

Sweetspot

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



47.7331, 0.3328, 0.3716



87.8976, 0.3186, 0.3413



38.3735, 0.3437, 0.3370



19.3237, 0.3194, 0.3430



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.



47.7331, 0.3328, 0.3716



84.7145, 0.3378, 0.3826



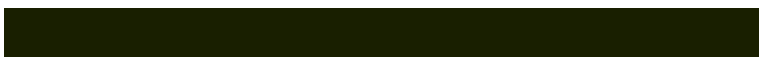
45.9195, 0.3191, 0.3735



11.0281, 0.3236, 0.3519



29.1240, 0.3871, 0.5308



1.1645, 0.3953, 0.5244

Inverse Universe

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



34.6037, 0.2905, 0.2841



56.2516, 0.2841, 0.2717



36.3611, 0.3051, 0.2860



9.3087, 0.3012, 0.3055



2.7406, 0.1595, 0.0652



0.1337, 0.1817, 0.0775

Previews

White Background



This preview shows how the Yxy color 47.7310, 0.3328, 0.3716 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 47.7310, 0.3328, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

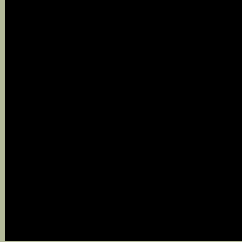
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

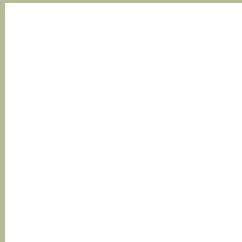
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7310, 0.3328, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 47.7310, 0.3328, 0.3716.



This preview shows how white text looks on a background with the Yxy color 47.7310, 0.3328, 0.3716.

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

47.7310, 0.3328, 0.3716

Protanopia

47.6362, 0.3469, 0.3678

Deuteranopia

47.7275, 0.3607, 0.3537



Tritanopia

47.5981, 0.3060, 0.3101

Trichromacy



Original Color

47.7310, 0.3328, 0.3716

Protanomaly

47.4329, 0.3413, 0.3683

Deuteranomaly

47.7274, 0.3503, 0.3608

Tritanomaly

47.5175, 0.3160, 0.3316

Monochromacy



Original Color

47.7310, 0.3328, 0.3716

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2046, 0.3205, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7310, 0.3328, 0.3716 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(181, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(181, 187, 155)  
}
```

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(181, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 187, 155) }
```

Border

The CSS property to change the border of an element to Yxy 47.7310, 0.3328, 0.3716 is called "border". The border property can be set on classes, ids or directly on the HTML element.

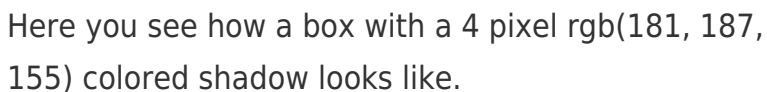
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 187, 155) }
```

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

```
.border{ border-color:rgb(181, 187, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 187, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 187, 155); box-shadow:4px 4px 4px 4px rgb(181, 187, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7310, 0.3328, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 187, 155) }
```

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

```
.background{ background-color: rgb(181,  
187, 155) }
```

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