

Converting Colors

$Y_{xy}(49.1718, 0.3257, 0.3529)$

Have a look what the booklet for
Yxy(49.1718, 0.3257, 0.3529)
contains.

Yxy(49.2701, 0.3258, 0.3537)	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(49.2701, 0.3258, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	BABCA9
RGB	186, 188, 169
RGB Percent	73%, 74%, 66%
CMY	0.2708, 0.2627, 0.3373
CMYK	0.01, 0.00, 0.10, 0.26
HSL	67°, 12%, 70%
HSV	67°, 10%, 74%
XYZ	45.3837, 49.2701, 44.6454
YIQ	185.2360, 4.9070, -6.3330

Conversions

Conversions Part 2

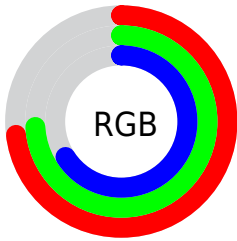
Format	Color
RYB	169, 188, 171
Decimal	12237993
CIELab	75.62, -4.11, 9.38
CIELCh	76, 10.241, 113.646
Yxy	49.2701, 0.3258, 0.3537
Android (android.graphics.Color)	4290428073 (0xFFBABCA9)
YUV	185.2360, -8.0043, 0.6700
Hunter-Lab	70.1927, -7.4265, 11.4240

Details

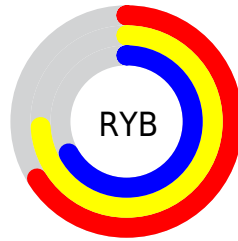
The Yxy color $49.2701, 0.3258, 0.3537$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.6657, 0.2989, 0.3033$, and the grayscale version is $48.6939, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.9604, 0.3236, 0.3492$, and $23.5988, 0.3295, 0.3609$ is the 20% darker color. If you saturate the color by 10%, you get $48.3617, 0.3390, 0.3790$, and if you desaturate by 10%, it is $50.2880, 0.3129, 0.3293$.

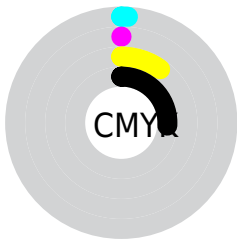
Distribution



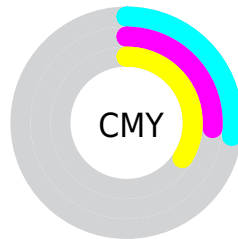
- Red (73%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (74%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)





- Cyan (27%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2701, 0.3258, 0.3537 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 49.2701, 0.3258, 0.3537 by changing the saturation by 10% instead.


 49.2701, 0.3258,
0.3537

 49.2701, 0.3258,
0.3537


383.8047, 0.3194,
0.3414

 34.8338, 0.3274,
0.3568


 89.0925, 0.3235,
0.3492

 23.5349, 0.3294,
0.3607


115.2473, 0.3226,
0.3475

 14.9889, 0.3320,
0.3660


146.0772, 0.3219,
0.3461

 8.8116, 0.3356,
0.3734

181.9664, 0.3212,
0.3449

 4.6185, 0.3408,
0.3843

223.2993, 0.3207,
0.3438

 2.0252, 0.3489,
0.4024

270.4604, 0.3202,

 0.6221, 0.4328,

0.3429

0.5483

323.8341, 0.3198,
0.3421

0.0000, 0.0000,
0.0000

49.2701, 0.3258,
0.3537

49.2701, 0.3258,
0.3537

48.3617, 0.3390,
0.3790

50.2880, 0.3129,
0.3293

47.5521, 0.3520,
0.4046

51.4130, 0.3005,
0.3062

46.8387, 0.3644,
0.4297

52.6512, 0.2888,
0.2847

46.2166, 0.3757,
0.4533

54.0062, 0.2778,
0.2650

45.6802, 0.3853,
0.4744

54.9558, 0.2726,
0.2545

■ 45.2235, 0.3927,
0.4921

■ 55.2325, 0.2740,
0.2548

■ 44.8395, 0.3976,
0.5057

■ 55.5129, 0.2754,
0.2551

■ 44.5200, 0.4000,
0.5148

■ 55.7971, 0.2768,
0.2554

■ 44.2517, 0.4003,
0.5204

■ 56.0851, 0.2783,
0.2557

Harmonies

Analogous

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



49.2701, 0.3363, 0.3508



49.2701, 0.3258, 0.3537



49.2701, 0.3119, 0.3496

Triad

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



49.2701, 0.3258, 0.3537



49.2701, 0.2857, 0.3149



49.2701, 0.3269, 0.3186

Complementary

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



49.2701, 0.3258, 0.3537



40.6657, 0.2989, 0.3033

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.



49.2701, 0.3130, 0.3095



49.2701, 0.3258, 0.3537



49.2701, 0.2895, 0.3072

Square

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



49.2701, 0.3258, 0.3537



49.2701, 0.2890, 0.3268



49.2701, 0.2994, 0.3053



49.2701, 0.3370, 0.3305

Rectangle

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



49.2701, 0.3258, 0.3537



49.2701, 0.3027, 0.3435



49.2701, 0.2994, 0.3053



49.2701, 0.3225, 0.3152

Sweetspot

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



49.2722, 0.3258, 0.3537



90.5582, 0.3166, 0.3363



42.6413, 0.3300, 0.3316



19.4416, 0.3176, 0.3383



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.



49.2722, 0.3258, 0.3537



88.9190, 0.3285, 0.3589



48.1396, 0.3179, 0.3543



11.0664, 0.3248, 0.3518



30.1410, 0.4005, 0.5202



1.1959, 0.4053, 0.5164

Inverse Universe

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



40.6657, 0.2989, 0.3033



70.3989, 0.2958, 0.2977



41.7537, 0.3071, 0.3040



9.2738, 0.3000, 0.3054



2.5932, 0.1543, 0.0624



0.1183, 0.1690, 0.0705

Previews

White Background



This preview shows how the Yxy color 49.2701, 0.3258, 0.3537 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 49.2701, 0.3258, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

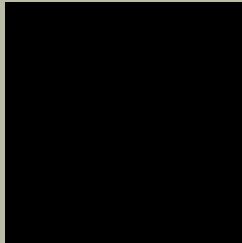
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

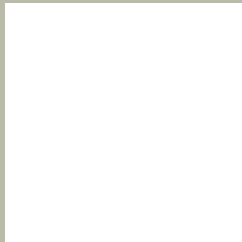
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2701, 0.3258, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 49.2701, 0.3258, 0.3537.



This preview shows how white text looks on a background with the Yxy color 49.2701, 0.3258, 0.3537.

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

49.2701, 0.3258, 0.3537

Protanopia

49.4143, 0.3339, 0.3519

Deuteranopia

49.2844, 0.3467, 0.3401



Tritanopia

49.3053, 0.3069, 0.3116

Trichromacy



Original Color

49.2701, 0.3258, 0.3537

Protanomaly

49.4442, 0.3311, 0.3534

Deuteranomaly

49.1868, 0.3389, 0.3453

Tritanomaly

49.1046, 0.3145, 0.3265

Monochromacy



Original Color

49.2701, 0.3258, 0.3537

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6868, 0.3173, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2701, 0.3258, 0.3537 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(186, 188, 169)` looks like.

```
.text, #text, p{  
    color:rgb(186, 188, 169)  
}
```

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(186, 188, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 188, 169) }
```

Border

The CSS property to change the border of an element to Yxy 49.2701, 0.3258, 0.3537 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(186, 188, 169) }
```

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

```
.border{ border-color:rgb(186, 188, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 188, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 188, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 188, 169);  
box-shadow:4px 4px 4px 4px rgb(186, 188,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2701, 0.3258, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 188, 169) }
```

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

```
.background{ background-color: rgb(186,  
188, 169) }
```

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