

Converting Colors

$Yxy(49.9234, 0.3278, 0.3567)$

Have a look what the booklet for
Yxy(49.9234, 0.3278, 0.3567)
contains.

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Color

Yxy(49.7871, 0.3273, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	BBBDA8
RGB	187, 189, 168
RGB Percent	73%, 74%, 66%
CMY	0.2669, 0.2587, 0.3412
CMYK	0.01, 0.00, 0.11, 0.26
HSL	66°, 14%, 70%
HSV	66°, 11%, 74%
XYZ	45.7477, 49.7871, 44.2381
YIQ	186.0080, 5.5490, -6.9550

Conversions

Conversions Part 2

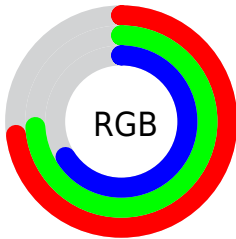
Format	Color
RYB	168, 189, 170
Decimal	12303784
CIELab	75.94, -4.44, 10.38
CIELCh	76, 11.295, 113.158
Yxy	49.7871, 0.3273, 0.3562
Android (android.graphics.Color)	4290493864 (0xFFBBBDA8)
YUV	186.0080, -8.8779, 0.8700
Hunter-Lab	70.5600, -7.7492, 12.2197

Details

The Yxy color $49.7871, 0.3273, 0.3562$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.2296, 0.2972, 0.3006$, and the grayscale version is $49.1522, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6872, 0.3248, 0.3512$, and $23.9376, 0.3315, 0.3642$ is the 20% darker color. If you saturate the color by 10%, you get $48.9013, 0.3406, 0.3815$, and if you desaturate by 10%, it is $50.7828, 0.3142, 0.3317$.

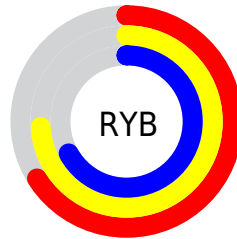
Distribution



Red (73%)

Green (74%)

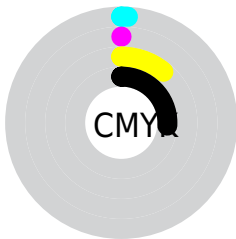
Blue (66%)



Red (66%)

Yellow (74%)

Blue (67%)

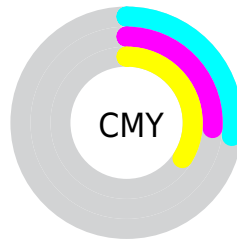


Cyan (1%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (27%)


Magenta (26%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7871, 0.3273, 0.3562 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 49.7871, 0.3273, 0.3562 by changing the saturation by 10% instead.


 49.7871, 0.3273,
0.3562


 49.7871, 0.3273,
0.3562


385.8328, 0.3202,
0.3426

 35.2443, 0.3290,
0.3596


 89.8594, 0.3247,
0.3513

 23.8511, 0.3312,
0.3639


 116.1576, 0.3238,
0.3494

 15.2232, 0.3341,
0.3697


147.1430, 0.3229,
0.3479

 8.9762, 0.3381,
0.3777

183.2001, 0.3222,
0.3465

 4.7256, 0.3438,
0.3897

224.7132, 0.3216,
0.3453

 2.0872, 0.3526,
0.4093

272.0668, 0.3211,

 0.6574, 0.4399,

0.3443

0.5601

325.6452, 0.3206,
0.3434

0.0000, 0.0000,
0.0000

49.7871, 0.3273,
0.3562

49.7871, 0.3273,
0.3562

48.9013, 0.3406,
0.3815

50.7828, 0.3142,
0.3317

48.1143, 0.3538,
0.4070

51.8859, 0.3015,
0.3085

47.4237, 0.3663,
0.4319

53.1025, 0.2896,
0.2868

46.8243, 0.3776,
0.4551

54.4364, 0.2785,
0.2668

46.3105, 0.3872,
0.4758

55.3986, 0.2727,
0.2557

■ 45.8761, 0.3946,
0.4928

■ 55.6511, 0.2740,
0.2559

■ 45.5138, 0.3994,
0.5058

■ 55.9068, 0.2753,
0.2562

■ 45.2154, 0.4017,
0.5143

■ 56.1656, 0.2766,
0.2565

■ 44.9893, 0.4021,
0.5190

■ 56.4275, 0.2779,
0.2567

Harmonies

Analogous

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



49.7871, 0.3388, 0.3529



49.7871, 0.3273, 0.3562



49.7871, 0.3121, 0.3519

Triad

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



49.7871, 0.3273, 0.3562



49.7871, 0.2831, 0.3136



49.7871, 0.3281, 0.3174

Complementary

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



49.7871, 0.3273, 0.3562



40.2296, 0.2972, 0.3006

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.



49.7871, 0.3128, 0.3076



49.7871, 0.3273, 0.3562



49.7871, 0.2871, 0.3051

Square

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



49.7871, 0.3273, 0.3562



49.7871, 0.2868, 0.3267



49.7871, 0.2978, 0.3030



49.7871, 0.3393, 0.3304

Rectangle

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



49.7871, 0.3273, 0.3562



49.7871, 0.3019, 0.3451



49.7871, 0.2978, 0.3030



49.7871, 0.3232, 0.3137

Sweetspot

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



49.7893, 0.3273, 0.3562



90.5714, 0.3167, 0.3363



42.3009, 0.3320, 0.3314



19.4452, 0.3177, 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.



49.7893, 0.3273, 0.3562



88.8030, 0.3301, 0.3614



48.5496, 0.3187, 0.3569



11.0713, 0.3249, 0.3518



30.2809, 0.4023, 0.5188



1.2002, 0.4066, 0.5153

Inverse Universe

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



40.2296, 0.2972, 0.3006



68.7741, 0.2941, 0.2948



41.4104, 0.3062, 0.3014



9.2693, 0.2999, 0.3054



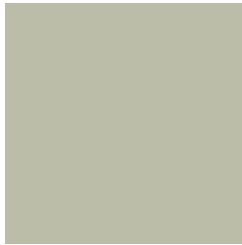
2.5789, 0.1538, 0.0621



0.1163, 0.1673, 0.0695

Previews

White Background



This preview shows how the Yxy color 49.7871, 0.3273, 0.3562 looks on a white background.

Color Contrast Check

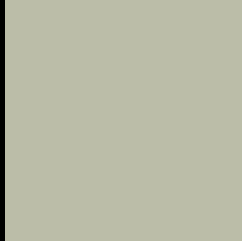
Large Text (above 18pt) WCAG AA × Fail

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 49.7871, 0.3273, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

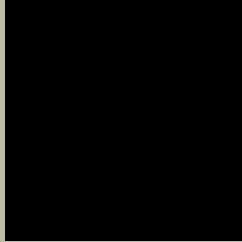
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

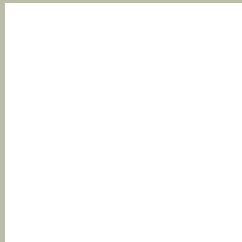
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7871, 0.3273, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 49.7871, 0.3273, 0.3562.



This preview shows how white text looks on a background with the Yxy color 49.7871, 0.3273, 0.3562.

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

49.7871, 0.3273, 0.3562

Protanopia

49.5099, 0.3356, 0.3532

Deuteranopia

49.5418, 0.3494, 0.3412



Tritanopia

49.8978, 0.3069, 0.3116

Trichromacy



Original Color

49.7871, 0.3273, 0.3562

Protanomaly

49.5371, 0.3328, 0.3546

Deuteranomaly

49.4281, 0.3415, 0.3465

Tritanomaly

49.6958, 0.3145, 0.3265

Monochromacy



Original Color

49.7871, 0.3273, 0.3562

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2344, 0.3181, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7871, 0.3273, 0.3562 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(187, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 168)  
}
```

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(187, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 49.7871, 0.3273, 0.3562 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(187, 189, 168) }
```

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

```
.border{ border-color:rgb(187, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(187, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7871, 0.3273, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 168) }
```

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

```
.background{ background-color: rgb(187,  
189, 168) }
```

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](#).

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