

Converting Colors

$Y_{xy}(47.2233, 0.3275, 0.3888)$

Have a look what the booklet for
Yxy(47.2233, 0.3275, 0.3888)
contains.

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Color

Yxy(47.2583, 0.3272, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	A8BE93
RGB	168, 190, 147
RGB Percent	66%, 75%, 58%
CMY	0.3413, 0.2548, 0.4235
CMYK	0.12, 0.00, 0.23, 0.25
HSL	91°, 25%, 66%
HSV	91°, 23%, 75%
XYZ	39.8221, 47.2583, 34.6253
YIQ	178.5200, 0.6910, -18.0370

Conversions

Conversions Part 2

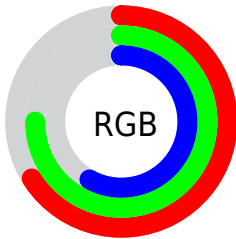
Format	Color
RYB	147, 190, 169
Decimal	11058835
CIELab	74.35, -15.32, 19.27
CIELCh	74, 24.620, 128.487
Yxy	47.2583, 0.3272, 0.3883
Android (android.graphics.Color)	4289248915 (0xFFA8BE93)
YUV	178.5200, -15.5394, -9.2260
Hunter-Lab	68.7447, -16.9025, 18.2581

Details

The Yxy color $47.2583, 0.3272, 0.3883$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.0258, 0.2951, 0.2700$, and the grayscale version is $44.8922, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.8166, 0.3247, 0.3769$, and $22.4489, 0.3311, 0.4071$ is the 20% darker color. If you saturate the color by 10%, you get $45.6831, 0.3331, 0.4174$, and if you desaturate by 10%, it is $49.0162, 0.3209, 0.3608$.

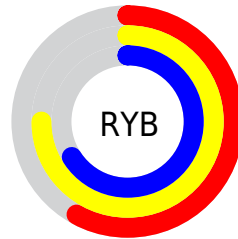
Distribution



Red (66%)

Green (75%)

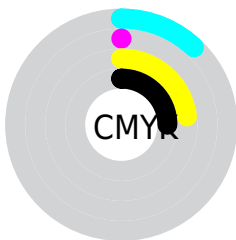
Blue (58%)



Red (58%)

Yellow (75%)

Blue (66%)

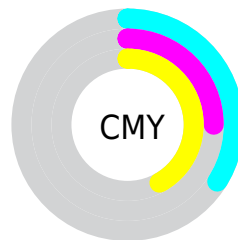


Cyan (12%)

Magenta (0%)

Yellow (23%)

Black (25%)



Cyan (34%)


Magenta (25%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2583, 0.3272, 0.3883 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 47.2583, 0.3272, 0.3883 by changing the saturation by 10% instead.


 47.2583, 0.3272,
0.3883


 47.2583, 0.3272,
0.3883


375.8446, 0.3205,
0.3579

 33.2399, 0.3287,
0.3961


 86.0991, 0.3249,
0.3771

 22.3103, 0.3305,
0.4063


 111.6902, 0.3240,
0.3729

 14.0851, 0.3327,
0.4199


141.9077, 0.3232,
0.3694

 8.1799, 0.3353,
0.4394

177.1360, 0.3225,
0.3664

 4.2103, 0.3380,
0.4690

217.7594, 0.3219,
0.3639

 1.7919, 0.3502,
0.5354

264.1624, 0.3214,

 0.4821, 0.1487,

0.3616

0.8513

316.7293, 0.3209,
0.3597

0.0000, 0.0000,
0.0000

47.2583, 0.3272,
0.3883

47.2583, 0.3272,
0.3883

45.6831, 0.3331,
0.4174

49.0162, 0.3209,
0.3608

44.2779, 0.3381,
0.4472

50.9569, 0.3144,
0.3354

43.0378, 0.3420,
0.4768

53.0882, 0.3080,
0.3121

41.9550, 0.3442,
0.5048

55.4158, 0.3018,
0.2911

41.0212, 0.3444,
0.5296

57.9450, 0.2959,
0.2723

■ 40.2269, 0.3425,
0.5498

■ 60.2879, 0.2943,
0.2611

■ 39.5613, 0.3385,
0.5644

■ 61.9115, 0.3015,
0.2625

■ 39.1397, 0.3348,
0.5724

■ 63.6261, 0.3088,
0.2640

■ 65.3131, 0.3157,
0.2654

Harmonies

Analogous

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



47.2583, 0.3585, 0.3879



47.2583, 0.3272, 0.3883



47.2583, 0.2932, 0.3700

Triad

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



47.2583, 0.3272, 0.3883



47.2583, 0.2510, 0.2834



47.2583, 0.3614, 0.3170

Complementary

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



47.2583, 0.3272, 0.3883



33.0258, 0.2951, 0.2700

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.



47.2583, 0.3301, 0.2926



47.2583, 0.3272, 0.3883



47.2583, 0.2670, 0.2732

Square

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



47.2583, 0.3272, 0.3883



47.2583, 0.2505, 0.3068



47.2583, 0.2954, 0.2768



47.2583, 0.3793, 0.3452

Rectangle

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



47.2583, 0.3272, 0.3883



47.2583, 0.2735, 0.3501



47.2583, 0.2954, 0.2768



47.2583, 0.3520, 0.3082

Sweetspot

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



47.2604, 0.3272, 0.3883



90.7102, 0.3173, 0.3465



41.2481, 0.3522, 0.3578



19.8719, 0.3177, 0.3480



97.7402, 0.3127, 0.3290



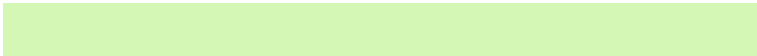
20.4902, 0.3127, 0.3290

Same Dimension

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



47.2604, 0.3272, 0.3883



84.2173, 0.3301, 0.4021



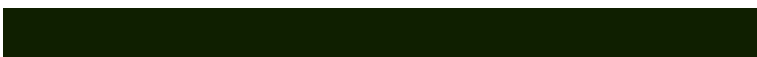
45.1425, 0.3098, 0.3916



10.8717, 0.3188, 0.3522



26.0678, 0.3357, 0.5716



1.0600, 0.3546, 0.5567

Inverse Universe

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



33.0258, 0.2951, 0.2700



54.0255, 0.2906, 0.2563



35.5342, 0.3153, 0.2735



9.4593, 0.3062, 0.3058



4.2236, 0.2060, 0.0908



0.2043, 0.2323, 0.1053

Previews

White Background



This preview shows how the Yxy color 47.2583, 0.3272, 0.3883 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 47.2583, 0.3272, 0.3883 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 47.2583, 0.3272, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 47.2583, 0.3272, 0.3883.



This preview shows how white text looks on a background with the Yxy color 47.2583, 0.3272, 0.3883.

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

47.2583, 0.3272, 0.3883

Protanopia

46.9084, 0.3555, 0.3796

Deuteranopia

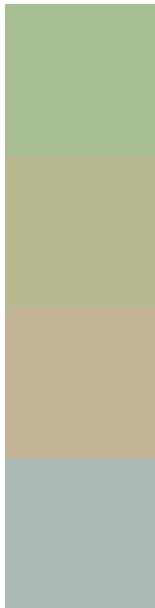
46.7108, 0.3676, 0.3600



Tritanopia

47.1743, 0.2955, 0.3096

Trichromacy



Original Color

47.2583, 0.3272, 0.3883

Protanomaly

47.0258, 0.3456, 0.3834

Deuteranomaly

46.4145, 0.3520, 0.3692

Tritanomaly

47.2567, 0.3073, 0.3383

Monochromacy



Original Color

47.2583, 0.3272, 0.3883

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7710, 0.3185, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2583, 0.3272, 0.3883 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(168, 190, 147)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 147)  
}
```

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(168, 190, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 147) }
```

Border

The CSS property to change the border of an element to Yxy 47.2583, 0.3272, 0.3883 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(168, 190, 147) }
```

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

```
.border{ border-color:rgb(168, 190, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 190, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 190, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 190, 147);  
box-shadow:4px 4px 4px 4px rgb(168, 190,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2583, 0.3272, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 147) }
```

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

```
.background{ background-color: rgb(168,  
190, 147) }
```

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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