

Converting Colors

$Y_{xy}(47.2125, 0.3175, 0.3517)$

Have a look what the booklet for
Yxy(47.2125, 0.3175, 0.3517)
contains.

Yxy(47.2125, 0.3175, 0.3517)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2125, 0.3175, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	B0BAA9
RGB	176, 186, 169
RGB Percent	69%, 73%, 66%
CMY	0.3099, 0.2705, 0.3372
CMYK	0.05, 0.00, 0.09, 0.27
HSL	95°, 11%, 70%
HSV	95°, 9%, 73%
XYZ	42.6215, 47.2125, 44.4069
YIQ	181.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

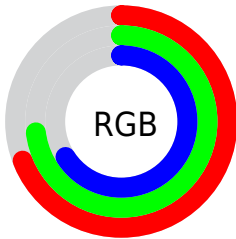
Format	Color
RYB	169, 186, 179
Decimal	11582121
CIELab	74.33, -6.63, 7.42
CIElCh	74, 9.945, 131.784
Yxy	47.2125, 0.3175, 0.3517
Android (android.graphics.Color)	4289772201 (0xFFB0BAA9)
YUV	181.0720, -5.9515, -4.4481
Hunter-Lab	68.7114, -9.5218, 9.7799

Details

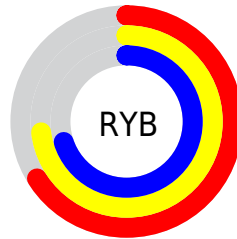
The Yxy color $47.2125, 0.3175, 0.3517$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $41.5141, 0.3075, 0.3065$, and the grayscale version is $46.2818, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.0419, 0.3171, 0.3476$, and $22.2704, 0.3182, 0.3585$ is the 20% darker color. If you saturate the color by 10%, you get $45.3366, 0.3226, 0.3788$, and if you desaturate by 10%, it is $49.2954, 0.3123, 0.3270$.

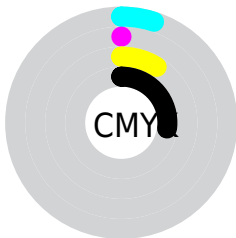
Distribution



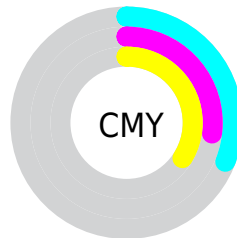
- Red (69%)
- Green (73%)
- Blue (66%)



- Red (66%)
- Yellow (73%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)



- Cyan (31%)
- Magenta (27%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2125, 0.3175, 0.3517 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 47.2125, 0.3175, 0.3517 by changing the saturation by 10% instead.

■ 47.2125, 0.3175,
0.3517

■ 47.2125, 0.3175,
0.3517

375.6621, 0.3152,
0.3402

■ 33.2037, 0.3181,
0.3546

■ 86.0307, 0.3167,
0.3475

■ 22.2825, 0.3188,
0.3584

111.6089, 0.3164,
0.3459

■ 14.0646, 0.3197,
0.3634

141.8124, 0.3161,
0.3446

■ 8.1656, 0.3209,
0.3705

177.0255, 0.3159,
0.3435

■ 4.2011, 0.3226,
0.3814

217.6326, 0.3157,
0.3425

■ 1.7867, 0.3251,
0.3998

264.0181, 0.3155,


■ 0.4789, 0.3785,


0.3417


0.6178

316.5665, 0.3153,
0.3409


 0.0000, 0.0000,
0.0000

 47.2125, 0.3175,
0.3517

 47.2125, 0.3175,
0.3517

 45.3366, 0.3226,
0.3788


 49.2954, 0.3123,
0.3270

 43.6549, 0.3274,
0.4078


 51.5854, 0.3071,
0.3046


 42.1626, 0.3315,
0.4383

 54.0905, 0.3021,
0.2847

 40.8520, 0.3346,
0.4692

 56.8166, 0.2973,
0.2669

 39.7153, 0.3363,
0.4991

 59.3089, 0.2976,
0.2576

■ 38.7436, 0.3364,
0.5264

■ 61.1919, 0.3059,
0.2593

■ 37.9274, 0.3345,
0.5495

■ 63.1915, 0.3142,
0.2611

■ 37.2556, 0.3307,
0.5670

■ 63.6022, 0.3159,
0.2614

■ 36.7108, 0.3256,
0.5790

Harmonies

Analogous

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



47.2125, 0.3303, 0.3530



47.2125, 0.3175, 0.3517



47.2125, 0.3036, 0.3439

Triad

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



47.2125, 0.3175, 0.3517



47.2125, 0.2875, 0.3099



47.2125, 0.3334, 0.3257

Complementary

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



47.2125, 0.3175, 0.3517



41.5141, 0.3075, 0.3065

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.



47.2125, 0.3215, 0.3148



47.2125, 0.3175, 0.3517



47.2125, 0.2951, 0.3057

Square

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



47.2125, 0.3175, 0.3517



47.2125, 0.2865, 0.3194



47.2125, 0.3075, 0.3075



47.2125, 0.3396, 0.3377

Rectangle

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



47.2125, 0.3175, 0.3517



47.2125, 0.2956, 0.3362



47.2125, 0.3075, 0.3075



47.2125, 0.3299, 0.3218

Sweetspot

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



47.2145, 0.3175, 0.3517



87.8207, 0.3143, 0.3364



45.5162, 0.3270, 0.3420



19.2719, 0.3147, 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.



47.2145, 0.3175, 0.3517



84.8440, 0.3186, 0.3570



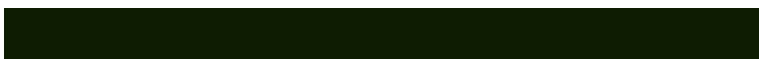
46.4767, 0.3105, 0.3501



10.2350, 0.3176, 0.3522



24.7077, 0.3261, 0.5793



0.9075, 0.3476, 0.5622

Inverse Universe

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



41.5141, 0.3075, 0.3065



72.3779, 0.3063, 0.3013



42.3057, 0.3149, 0.3087



8.9743, 0.3074, 0.3060



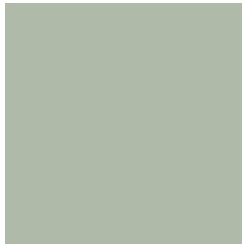
4.6502, 0.2222, 0.0998



0.1992, 0.2477, 0.1138

Previews

White Background



This preview shows how the Yxy color 47.2125, 0.3175, 0.3517 looks on a white background.

Color Contrast Check

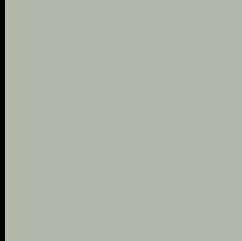
Large Text (above 18pt) WCAG AA × Fail

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 47.2125, 0.3175, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

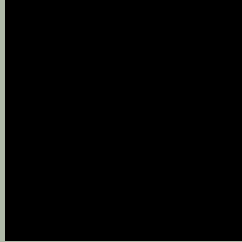
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

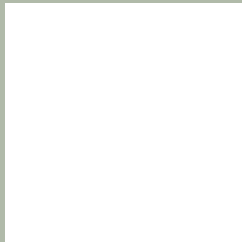
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2125, 0.3175, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 47.2125, 0.3175, 0.3517.



This preview shows how white text looks on a background with the Yxy color 47.2125, 0.3175, 0.3517.

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

47.2125, 0.3175, 0.3517

Protanopia

47.1931, 0.3318, 0.3485

Deuteranopia

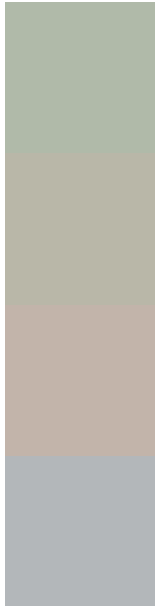
46.9701, 0.3430, 0.3353



Tritanopia

47.1447, 0.3003, 0.3110

Trichromacy



Original Color

47.2125, 0.3175, 0.3517

Protanomaly

47.0084, 0.3264, 0.3487

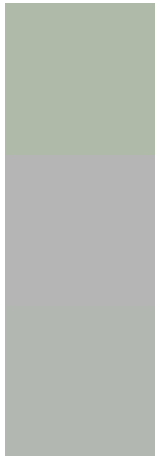
Deuteranomaly

47.0141, 0.3332, 0.3418

Tritanomaly

46.9958, 0.3070, 0.3251

Monochromacy



Original Color

47.2125, 0.3175, 0.3517

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.6250, 0.3140, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2125, 0.3175, 0.3517 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(176, 186, 169)` looks like.

```
.text, #text, p{  
    color:rgb(176, 186, 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(176, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 186, 169) }
```

Border

The CSS property to change the border of an element to Yxy 47.2125, 0.3175, 0.3517 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(176, 186, 169) }
```

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

```
.border{ border-color:rgb(176, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(176, 186,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2125, 0.3175, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 186, 169) }
```

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

```
.background{ background-color: rgb(176,  
186, 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