

Converting Colors

$Yxy(47.7331, 0.3173, 0.3511)$

Have a look what the booklet for
Yxy(47.7331, 0.3173, 0.3511)
contains.

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Color

Yxy(47.7900, 0.3175, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	B1BBAA
RGB	177, 187, 170
RGB Percent	69%, 73%, 67%
CMY	0.3059, 0.2666, 0.3334
CMYK	0.05, 0.00, 0.09, 0.27
HSL	95°, 11%, 70%
HSV	95°, 9%, 73%
XYZ	43.1551, 47.7900, 44.9764
YIQ	182.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

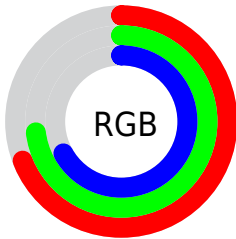
Format	Color
RYB	170, 187, 180
Decimal	11647914
CIELab	74.69, -6.62, 7.42
CIELCh	75, 9.940, 131.739
Yxy	47.7900, 0.3175, 0.3516
Android (android.graphics.Color)	4289837994 (0xFFB1BBAA)
YUV	182.0720, -5.9515, -4.4481
Hunter-Lab	69.1303, -9.5482, 9.8169

Details

The Yxy color $47.7900, 0.3175, 0.3516$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.0401, 0.3075, 0.3066$, and the grayscale version is $46.8535, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.8611, 0.3171, 0.3475$, and $22.6433, 0.3181, 0.3583$ is the 20% darker color. If you saturate the color by 10%, you get $45.8927, 0.3226, 0.3787$, and if you desaturate by 10%, it is $49.8964, 0.3122, 0.3269$.

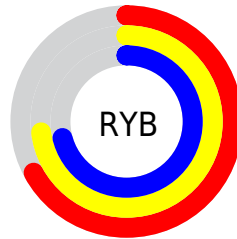
Distribution



Red (69%)

Green (73%)

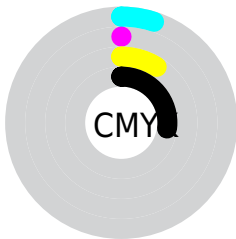
Blue (67%)



Red (67%)

Yellow (73%)

Blue (71%)

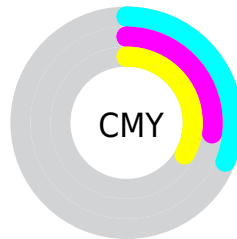


Cyan (5%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (31%)


Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7900, 0.3175, 0.3516 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 47.7900, 0.3175, 0.3516 by changing the saturation by 10% instead.


 47.7900, 0.3175,
0.3516

 47.7900, 0.3175,
0.3516


377.9591, 0.3152,
0.3402

 33.6606, 0.3181,
0.3545

 86.8917, 0.3167,
0.3474

 22.6330, 0.3187,
0.3582


112.6327, 0.3164,
0.3459

 14.3228, 0.3197,
0.3632


143.0131, 0.3161,
0.3446

 8.3455, 0.3209,
0.3702

178.4173, 0.3159,
0.3434

 4.3168, 0.3226,
0.3809

219.2295, 0.3157,
0.3425

 1.8523, 0.3250,
0.3989

265.8343, 0.3155,

 0.5195, 0.3696,

0.3416

0.5780

318.6161, 0.3153,
0.3409

0.0000, 0.0000,
0.0000

47.7900, 0.3175,
0.3516

47.7900, 0.3175,
0.3516

45.8927, 0.3226,
0.3787

49.8964, 0.3122,
0.3269

44.1917, 0.3274,
0.4077

52.2122, 0.3070,
0.3045

42.6819, 0.3316,
0.4382

54.7454, 0.3020,
0.2846

41.3559, 0.3347,
0.4691

57.5018, 0.2972,
0.2668

40.2055, 0.3365,
0.4990

59.9274, 0.2985,
0.2588

■ 39.2220, 0.3365,
0.5263

■ 61.8287, 0.3068,
0.2605

■ 38.3955, 0.3346,
0.5494

■ 63.8476, 0.3151,
0.2623

■ 37.7150, 0.3309,
0.5669

■ 64.0240, 0.3158,
0.2624

■ 37.1628, 0.3258,
0.5789

Harmonies

Analogous

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



47.7900, 0.3302, 0.3529



47.7900, 0.3175, 0.3516



47.7900, 0.3037, 0.3438

Triad

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



47.7900, 0.3175, 0.3516



47.7900, 0.2876, 0.3100



47.7900, 0.3333, 0.3257

Complementary

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



47.7900, 0.3175, 0.3516



42.0401, 0.3075, 0.3066

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.



47.7900, 0.3215, 0.3148



47.7900, 0.3175, 0.3516



47.7900, 0.2952, 0.3058

Square

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



47.7900, 0.3175, 0.3516



47.7900, 0.2867, 0.3194



47.7900, 0.3075, 0.3076



47.7900, 0.3395, 0.3376

Rectangle

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



47.7900, 0.3175, 0.3516



47.7900, 0.2957, 0.3361



47.7900, 0.3075, 0.3076



47.7900, 0.3298, 0.3218

Sweetspot

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



47.7921, 0.3175, 0.3516



87.8224, 0.3143, 0.3364



46.0776, 0.3270, 0.3420



19.2724, 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.



47.7921, 0.3175, 0.3516



84.8499, 0.3186, 0.3570



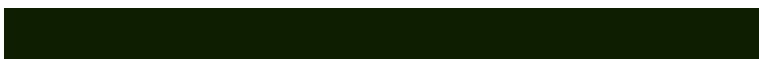
47.0454, 0.3106, 0.3500



10.8360, 0.3176, 0.3523



25.6120, 0.3262, 0.5792



1.0416, 0.3460, 0.5635

Inverse Universe

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



42.0401, 0.3075, 0.3066



72.3718, 0.3062, 0.3013



42.8408, 0.3149, 0.3088



9.4954, 0.3074, 0.3059



4.8039, 0.2218, 0.0995



0.2256, 0.2454, 0.1126

Previews

White Background



This preview shows how the Yxy color 47.7900, 0.3175, 0.3516 looks on a white background.

Color Contrast Check

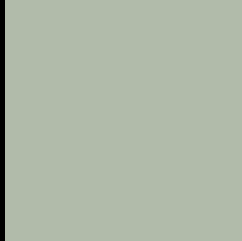
Large Text (above 18pt) WCAG AA × Fail

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 47.7900, 0.3175, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

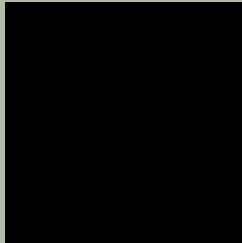
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7900, 0.3175, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 47.7900, 0.3175, 0.3516.



This preview shows how white text looks on a background with the Yxy color 47.7900, 0.3175, 0.3516.

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

47.7900, 0.3175, 0.3516

Protanopia

47.7705, 0.3317, 0.3484

Deuteranopia

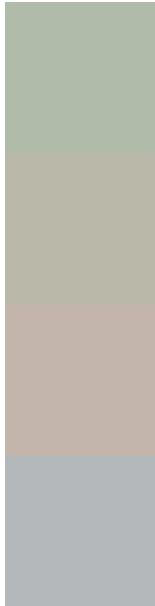
47.5447, 0.3429, 0.3353



Tritanopia

47.7219, 0.3003, 0.3111

Trichromacy



Original Color

47.7900, 0.3175, 0.3516

Protanomaly

47.5847, 0.3264, 0.3486

Deuteranomaly

47.5901, 0.3331, 0.3418

Tritanomaly

47.5721, 0.3071, 0.3251

Monochromacy



Original Color

47.7900, 0.3175, 0.3516

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1986, 0.3140, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7900, 0.3175, 0.3516 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(177, 187, 170)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 170)  
}
```

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(177, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 170) }
```

Border

The CSS property to change the border of an element to Yxy 47.7900, 0.3175, 0.3516 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(177, 187, 170) }
```

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

```
.border{ border-color:rgb(177, 187, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7900, 0.3175, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 170) }
```

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

```
.background{ background-color: rgb(177,  
187, 170) }
```

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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