

Converting Colors

$Y_{xy}(42.9290, 0.3061, 0.3415)$

Have a look what the booklet for
Yxy(42.9290, 0.3061, 0.3415)
contains.

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Color

Yxy(42.9290, 0.3061, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	A3B3AA
RGB	163, 179, 170
RGB Percent	64%, 70%, 67%
CMY	0.3609, 0.2980, 0.3332
CMYK	0.09, 0.00, 0.05, 0.30
HSL	146°, 10%, 67%
HSV	146°, 9%, 70%
XYZ	38.4790, 42.9290, 44.2992
YIQ	173.1900, -6.6470, -6.1910

Conversions

Conversions Part 2

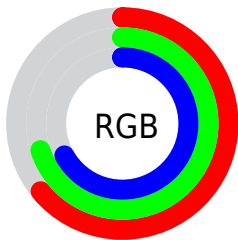
Format	Color
RYB	163, 174, 179
Decimal	10728362
CIELab	71.51, -7.30, 2.68
CIELCh	72, 7.776, 159.871
Yxy	42.9290, 0.3061, 0.3415
Android (android.graphics.Color)	4288918442 (0xFFA3B3AA)
YUV	173.1900, -1.5727, -8.9366
Hunter-Lab	65.5202, -9.8302, 5.7773

Details

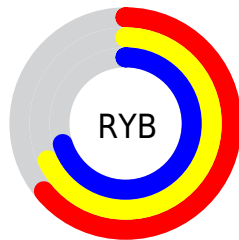
The Yxy color **42.9290, 0.3061, 0.3415** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7502, 0.3199, 0.3168**, and the grayscale version is **41.9020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7583, 0.3076, 0.3397**, and **19.6092, 0.3038, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **40.8078, 0.2989, 0.3570**, and if you desaturate by 10%, it is **45.3503, 0.3135, 0.3276**.

Distribution



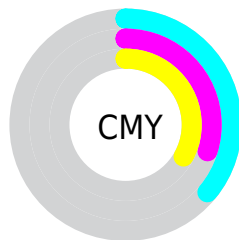
- Red (64%)
- Green (70%)
- Blue (67%)



- Red (64%)
- Yellow (68%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (30%)





- Cyan (36%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9290, 0.3061, 0.3415 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 42.9290, 0.3061, 0.3415 by changing the saturation by 10% instead.


 42.9290, 0.3061,
0.3415

 42.9290, 0.3061,
0.3415


358.3197, 0.3095,
0.3351

 29.8294, 0.3052,
0.3431


 79.6037, 0.3073,
0.3391

 19.7091, 0.3041,
0.3453


 103.9476, 0.3078,
0.3383

 12.1838, 0.3026,
0.3482


132.8084, 0.3082,
0.3375

 6.8690, 0.3004,
0.3524

166.5705, 0.3085,
0.3369

 3.3803, 0.2969,
0.3589

205.6183, 0.3088,
0.3364

 1.3333, 0.2909,
0.3703

250.3362, 0.3091,

 0.1668, 0.0000,

0.3359

1.0000

301.1085, 0.3093,
0.3355

0.0000, 0.0000,
0.0000

42.9290, 0.3061,
0.3415

42.9290, 0.3061,
0.3415

40.8078, 0.2989,
0.3570

45.3503, 0.3135,
0.3276

38.9694, 0.2920,
0.3743

48.0774, 0.3209,
0.3153

37.4030, 0.2857,
0.3931

51.1227, 0.3281,
0.3045

36.0949, 0.2804,
0.4133

54.4961, 0.3351,
0.2950

35.0305, 0.2764,
0.4345

58.2073, 0.3418,
0.2867

■ 34.1932, 0.2740,
0.4563

■ 59.2295, 0.3356,
0.2773

■ 33.5646, 0.2734,
0.4779

■ 59.8105, 0.3275,
0.2679

■ 33.1230, 0.2747,
0.4988

■ 60.4245, 0.3197,
0.2588

■ 32.8298, 0.2775,
0.5182

■ 60.7229, 0.3162,
0.2546

Harmonies

Analogous

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



42.9290, 0.3173, 0.3475



42.9290, 0.3061, 0.3415



42.9290, 0.2968, 0.3320

Triad

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



42.9290, 0.3061, 0.3415



42.9290, 0.2980, 0.3102



42.9290, 0.3342, 0.3355

Complementary

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



42.9290, 0.3061, 0.3415



38.7502, 0.3199, 0.3168

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.



42.9290, 0.3289, 0.3258



42.9290, 0.3061, 0.3415



42.9290, 0.3078, 0.3113

Square

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



42.9290, 0.3061, 0.3415



42.9290, 0.2921, 0.3140



42.9290, 0.3191, 0.3170



42.9290, 0.3337, 0.3437

Rectangle

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



42.9290, 0.3061, 0.3415



42.9290, 0.2928, 0.3252



42.9290, 0.3191, 0.3170



42.9290, 0.3331, 0.3323

Sweetspot

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



42.9308, 0.3061, 0.3415



79.3728, 0.3105, 0.3331



43.6645, 0.3196, 0.3510



17.5076, 0.3099, 0.3342



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.9308, 0.3061, 0.3415



75.9867, 0.3045, 0.3448



43.2395, 0.3000, 0.3304



9.5501, 0.3058, 0.3420



23.1904, 0.2772, 0.5180



0.7415, 0.2616, 0.4619

Inverse Universe

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



38.7502, 0.3199, 0.3168



66.7714, 0.3219, 0.3137



38.4551, 0.3270, 0.3276



8.5824, 0.3202, 0.3163



7.4406, 0.4677, 0.2350



0.2456, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 42.9290, 0.3061, 0.3415 looks on a white background.

Color Contrast Check

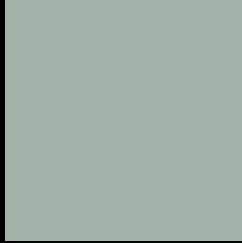
Large Text (above 18pt) WCAG AA × Fail

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 42.9290, 0.3061, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

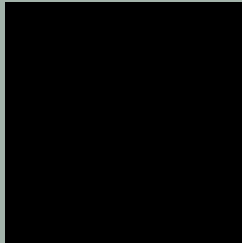
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

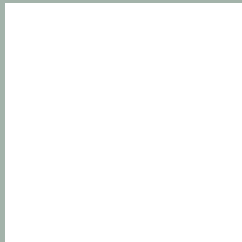
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9290, 0.3061, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 42.9290, 0.3061, 0.3415.

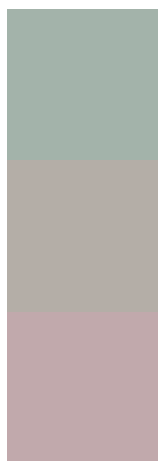


This preview shows how white text looks on a background with the Yxy color 42.9290, 0.3061, 0.3415.

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

42.9290, 0.3061, 0.3415

Protanopia

42.7654, 0.3240, 0.3385

Deuteranopia

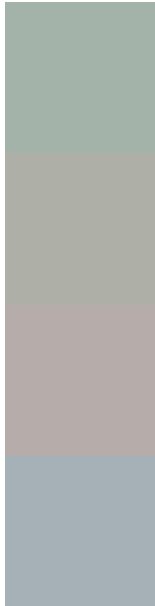
42.6919, 0.3323, 0.3252



Tritanopia

42.8754, 0.2932, 0.3101

Trichromacy



Original Color

42.9290, 0.3061, 0.3415

Protanomaly

42.8765, 0.3175, 0.3399

Deuteranomaly

42.7725, 0.3225, 0.3317

Tritanomaly

42.8625, 0.2977, 0.3208

Monochromacy



Original Color

42.9290, 0.3061, 0.3415

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.0735, 0.3099, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9290, 0.3061, 0.3415 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(163, 179, 170)` looks like.

```
.text, #text, p{  
    color:rgb(163, 179, 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(163, 179, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 179, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.9290, 0.3061, 0.3415 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(163, 179, 170) }
```

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

```
.border{ border-color:rgb(163, 179, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 179, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 179, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 179, 170);  
box-shadow:4px 4px 4px 4px rgb(163, 179,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9290, 0.3061, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 179, 170) }
```

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

```
.background{ background-color: rgb(163,  
179, 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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