

Converting Colors

$Y_{xy}(41.9368, 0.2947, 0.3294)$

Have a look what the booklet for
Yxy(41.9368, 0.2947, 0.3294)
contains.

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Color

Yxy(42.0830, 0.2949, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	9CB2B1
RGB	156, 178, 177
RGB Percent	61%, 70%, 69%
CMY	0.3883, 0.3019, 0.3060
CMYK	0.12, 0.00, 0.01, 0.30
HSL	177°, 13%, 65%
HSV	177°, 12%, 70%
XYZ	37.5614, 42.0830, 47.7255
YIQ	171.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

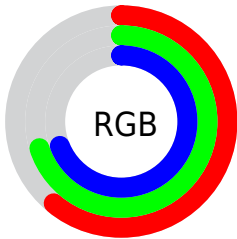
Format	Color
RYB	156, 167, 178
Decimal	10269361
CIELab	70.93, -7.77, -2.05
CIELCh	71, 8.036, 194.766
Yxy	42.0830, 0.2949, 0.3304
Android (android.graphics.Color)	4288459441 (0xFF9CB2B1)
YUV	171.3080, 2.8062, -13.4251
Hunter-Lab	64.8714, -10.1712, 1.7907

Details

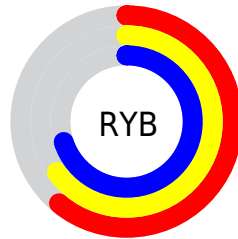
The Yxy color **42.0830, 0.2949, 0.3304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6712, 0.3337, 0.3276**, and the grayscale version is **40.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5777, 0.2982, 0.3300**, and **19.1257, 0.2906, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **40.4041, 0.2814, 0.3317**, and if you desaturate by 10%, it is **44.0258, 0.3092, 0.3293**.

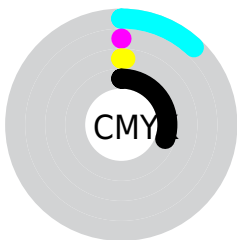
Distribution



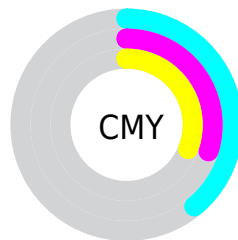
- Red (61%)
- Green (70%)
- Blue (69%)



- Red (61%)
- Yellow (65%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (39%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0830, 0.2949, 0.3304 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 42.0830, 0.2949, 0.3304 by changing the saturation by 10% instead.


 42.0830, 0.2949,
0.3304


 42.0830, 0.2949,
0.3304


354.8269, 0.3039,
0.3297

 29.1663, 0.2926,
0.3306


 78.3252, 0.2982,
0.3302

 19.2067, 0.2896,
0.3307


 102.4195, 0.2994,
0.3301

 11.8197, 0.2856,
0.3310


131.0085, 0.3005,
0.3300

 6.6210, 0.2799,
0.3313

164.4765, 0.3014,
0.3299

 3.2262, 0.2713,
0.3316

203.2079, 0.3021,
0.3299

 1.2510, 0.2564,
0.3321

247.5872, 0.3028,

 0.1027, 0.0000,

0.3298

0.2872

297.9987, 0.3034,
0.3298

0.0000, 0.0000,
0.0000

42.0830, 0.2949,
0.3304

42.0830, 0.2949,
0.3304

40.4041, 0.2814,
0.3317

44.0258, 0.3092,
0.3293

38.9727, 0.2690,
0.3330

46.2379, 0.3241,
0.3282

37.7784, 0.2581,
0.3344

48.7311, 0.3392,
0.3273

36.8080, 0.2487,
0.3359

51.5147, 0.3545,
0.3265

36.0471, 0.2411,
0.3374

54.5980, 0.3695,
0.3258

■ 35.4798, 0.2354,
0.3389

■ 56.4826, 0.3775,
0.3250

■ 35.0876, 0.2315,
0.3405

■ 56.5173, 0.3768,
0.3241

■ 34.8487, 0.2295,
0.3420

■ 56.5521, 0.3760,
0.3233

■ 34.7346, 0.2287,
0.3432

■ 56.5872, 0.3753,
0.3224

Harmonies

Analogous

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



42.0830, 0.3040, 0.3406



42.0830, 0.2949, 0.3304



42.0830, 0.2905, 0.3200

Triad

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



42.0830, 0.2949, 0.3304



42.0830, 0.3095, 0.3113



42.0830, 0.3339, 0.3454

Complementary

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



42.0830, 0.2949, 0.3304



35.6712, 0.3337, 0.3276

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.



42.0830, 0.3355, 0.3373



42.0830, 0.2949, 0.3304



42.0830, 0.3212, 0.3178

Square

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



42.0830, 0.2949, 0.3304



42.0830, 0.2988, 0.3093



42.0830, 0.3308, 0.3273



42.0830, 0.3266, 0.3493

Rectangle

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



42.0830, 0.2949, 0.3304



42.0830, 0.2908, 0.3145



42.0830, 0.3308, 0.3273



42.0830, 0.3351, 0.3431

Sweetspot

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



42.0848, 0.2949, 0.3304



79.1968, 0.3068, 0.3294



41.4213, 0.3122, 0.3608



17.4853, 0.3057, 0.3295



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.



42.0848, 0.2949, 0.3304



75.3810, 0.2909, 0.3308



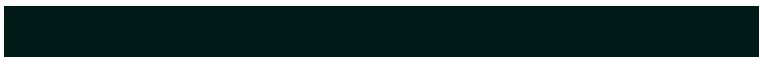
38.3219, 0.2938, 0.3148



9.6245, 0.2992, 0.3300



24.8520, 0.2286, 0.3430



0.7840, 0.2274, 0.3387

Inverse Universe

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



35.6712, 0.3337, 0.3276



61.3247, 0.3395, 0.3273



39.0999, 0.3330, 0.3428



8.5115, 0.3280, 0.3280



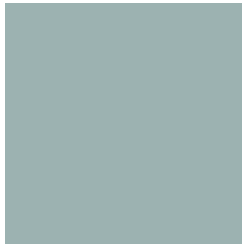
6.7881, 0.6339, 0.3266



0.2157, 0.6090, 0.3128

Previews

White Background



This preview shows how the Yxy color 42.0830, 0.2949, 0.3304 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 42.0830, 0.2949, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

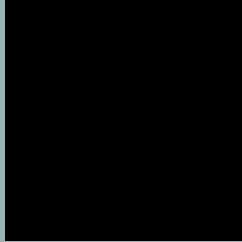
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

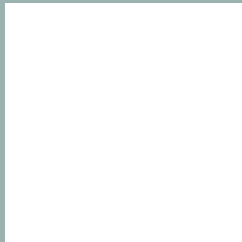
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0830, 0.2949, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 42.0830, 0.2949, 0.3304.



This preview shows how white text looks on a background with the Yxy color 42.0830, 0.2949, 0.3304.

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

42.0830, 0.2949, 0.3304

Protanopia

41.7911, 0.3146, 0.3263

Deuteranopia

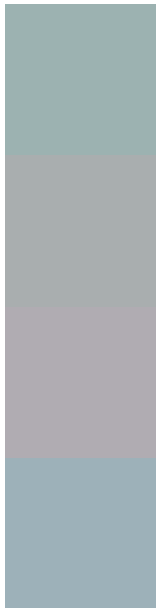
41.8247, 0.3207, 0.3146



Tritanopia

42.0375, 0.2867, 0.3097

Trichromacy



Original Color

42.0830, 0.2949, 0.3304

Protanomaly

41.8023, 0.3075, 0.3276

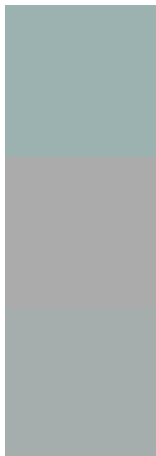
Deuteranomaly

41.9495, 0.3113, 0.3209

Tritanomaly

42.1152, 0.2897, 0.3178

Monochromacy



Original Color

42.0830, 0.2949, 0.3304

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3962, 0.3065, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0830, 0.2949, 0.3304 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(156, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(156, 178, 177)  
}
```

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(156, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 178, 177) }
```

Border

The CSS property to change the border of an element to Yxy 42.0830, 0.2949, 0.3304 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(156, 178, 177) }
```

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

```
.border{ border-color:rgb(156, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(156, 178,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0830, 0.2949, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 178, 177) }
```

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

```
.background{ background-color: rgb(156,  
178, 177) }
```

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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