

Converting Colors

$Y_{xy}(42.3243, 0.2894, 0.3008)$

Have a look what the booklet for
Yxy(42.3243, 0.2894, 0.3008)
contains.

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Color

Yxy(42.3192, 0.2894, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	A6AEC3
RGB	166, 174, 195
RGB Percent	65%, 68%, 76%
CMY	0.3489, 0.3177, 0.2353
CMYK	0.15, 0.11, 0.00, 0.24
HSL	223°, 19%, 71%
HSV	223°, 15%, 76%
XYZ	40.7153, 42.3192, 57.6543
YIQ	174.0020, -11.5090, 4.8350

Conversions

Conversions Part 2

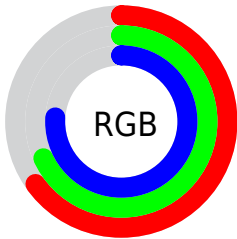
Format	Color
R _Y B	166, 172, 195
Decimal	10923715
CIE Lab	71.09, 1.53, -11.65
CIE LCh	71, 11.747, 277.460
Yxy	42.3192, 0.2894, 0.3008
Android (android.graphics.Color)	4289113795 (0xFFA6AEC3)
YUV	174.0020, 10.3520, -7.0178
Hunter-Lab	65.0532, -2.1240, -7.0093

Details

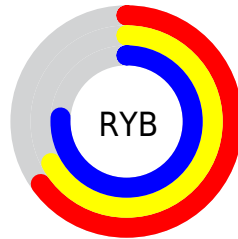
The Yxy color **42.3192, 0.2894, 0.3008** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.9083, 0.3362, 0.3557**, and the grayscale version is **42.2811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4390, 0.2933, 0.3051**, and **19.4196, 0.2831, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **35.1942, 0.2722, 0.2790**, and if you desaturate by 10%, it is **50.3419, 0.3054, 0.3203**.

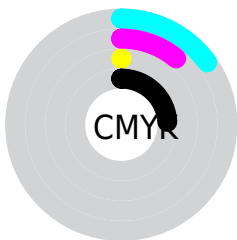
Distribution



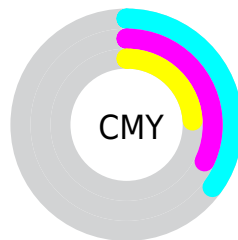
- Red (65%)
- Green (68%)
- Blue (76%)



- Red (65%)
- Yellow (67%)
- Blue (76%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (24%)





- Cyan (35%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3192, 0.2894, 0.3008 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 42.3192, 0.2894, 0.3008 by changing the saturation by 10% instead.

 42.3192, 0.2894,
0.3008

 42.3192, 0.2894,
0.3008


355.8044, 0.3012,
0.3150

 29.3513, 0.2864,
0.2972


 78.6825, 0.2937,
0.3060

 19.3467, 0.2825,
0.2926


 102.8467, 0.2953,
0.3079

 11.9211, 0.2773,
0.2864


131.5118, 0.2967,
0.3096

 6.6900, 0.2700,
0.2778

165.0622, 0.2979,
0.3110

 3.2690, 0.2589,
0.2648

203.8822, 0.2989,
0.3122

 1.2737, 0.2403,
0.2432

248.3564, 0.2998,

 0.1207, 0.1247,

0.3133

0.0991

298.8690, 0.3005,
0.3142

0.0000, 0.0000,
0.0000

42.3192, 0.2894,
0.3008

42.3192, 0.2894,
0.3008

35.1942, 0.2722,
0.2790

50.3419, 0.3054,
0.3203

28.9294, 0.2542,
0.2550

59.2873, 0.3201,
0.3376

23.4928, 0.2357,
0.2291

69.1860, 0.3335,
0.3527

18.8479, 0.2174,
0.2019

80.0656, 0.3456,
0.3660

14.9554, 0.2001,
0.1745

90.3004, 0.3506,
0.3785

■ 11.7723, 0.1847,
0.1479

■ 96.7203, 0.3484,
0.3880

■ 9.2508, 0.1722,
0.1235

■ 7.3358, 0.1630,
0.1027

■ 6.5489, 0.1593,
0.0935

Harmonies

Analogous

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



42.3192, 0.2813, 0.3068



42.3192, 0.2894, 0.3008



42.3192, 0.3038, 0.3021

Triad

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



42.3192, 0.2894, 0.3008



42.3192, 0.3452, 0.3374



42.3192, 0.3039, 0.3491

Complementary

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



42.3192, 0.2894, 0.3008



49.9083, 0.3362, 0.3557

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.



42.3192, 0.3209, 0.3577



42.3192, 0.2894, 0.3008



42.3192, 0.3451, 0.3503

Square

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



42.3192, 0.2894, 0.3008



42.3192, 0.3363, 0.3228



42.3192, 0.3361, 0.3580



42.3192, 0.2895, 0.3348

Rectangle

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



42.3192, 0.2894, 0.3008



42.3192, 0.3153, 0.3068



42.3192, 0.3361, 0.3580



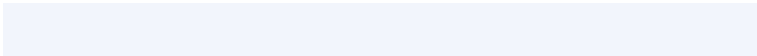
42.3192, 0.3095, 0.3528

Sweetspot

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



42.3210, 0.2894, 0.3008



91.3810, 0.3066, 0.3218



50.7203, 0.2961, 0.3398



19.7555, 0.3055, 0.3204



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.3210, 0.2894, 0.3008



71.2570, 0.2837, 0.2936



40.0246, 0.2944, 0.2904



10.1892, 0.2984, 0.3118



4.3788, 0.1600, 0.0958



0.3087, 0.1728, 0.1420

Inverse Universe

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



41.9383, 0.3328, 0.3188



70.5514, 0.3384, 0.3163



52.5698, 0.3295, 0.3660



10.1224, 0.3247, 0.3227



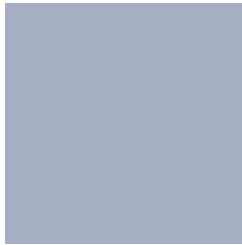
7.7243, 0.5822, 0.2981



0.3458, 0.5164, 0.2618

Previews

White Background



This preview shows how the Yxy color 42.3192, 0.2894, 0.3008 looks on a white background.

Color Contrast Check

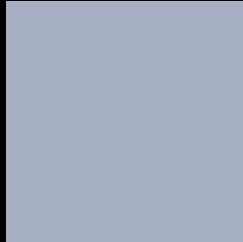
Large Text (above 18pt) WCAG AA × Fail

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 42.3192, 0.2894, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

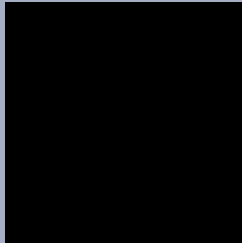
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

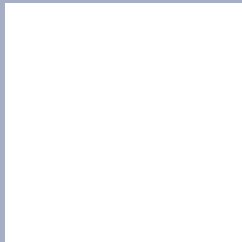
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3192, 0.2894, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 42.3192, 0.2894, 0.3008.

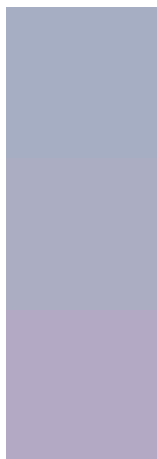


This preview shows how white text looks on a background with the Yxy color 42.3192, 0.2894, 0.3008.

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

42.3192, 0.2894, 0.3008

Protanopia

42.4401, 0.2942, 0.3011

Deuteranopia

42.0648, 0.3003, 0.2939



Tritanopia

42.3334, 0.2931, 0.3100

Trichromacy



Original Color

42.3192, 0.2894, 0.3008

Protanomaly

42.2172, 0.2926, 0.3009

Deuteranomaly

42.2253, 0.2960, 0.2961

Tritanomaly

42.4209, 0.2916, 0.3073

Monochromacy



Original Color

42.3192, 0.2894, 0.3008

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3074, 0.3036, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3192, 0.2894, 0.3008 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(166, 174, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 174, 195)  
}
```

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(166, 174, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 174, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.3192, 0.2894, 0.3008 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(166, 174, 195) }
```

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

```
.border{ border-color:rgb(166, 174, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 174, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 174, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 174, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 174,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3192, 0.2894, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 174, 195) }
```

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

```
.background{ background-color: rgb(166,  
174, 195) }
```

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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