

Converting Colors

$Y_{xy}(23.4192, 0.2937, 0.2846)$

Have a look what the booklet for
Yxy(23.4192, 0.2937, 0.2846)
contains.

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Color

Yxy(23.4192, 0.2937, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	89819C
RGB	137, 129, 156
RGB Percent	54%, 51%, 61%
CMY	0.4627, 0.4941, 0.3882
CMYK	0.12, 0.17, 0.00, 0.39
HSL	258°, 12%, 56%
HSV	258°, 17%, 61%
XYZ	24.1680, 23.4192, 34.7009
YIQ	134.4700, -3.8990, 10.0930

Conversions

Conversions Part 2

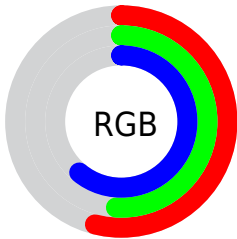
Format	Color
R_{YB}	137, 129, 156
Decimal	9011612
CIE Lab	55.50, 8.57, -13.33
CIE LCh	56, 15.850, 302.727
Yxy	23.4192, 0.2937, 0.2846
Android (android.graphics.Color)	4287201692 (0xFF89819C)
YUV	134.4700, 10.6143, 2.2188
Hunter-Lab	48.3934, 4.4558, -8.6390

Details

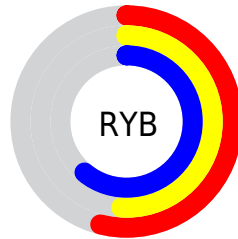
The Yxy color $23.4192, 0.2937, 0.2846$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $31.6599, 0.3297, 0.3719$, and the grayscale version is $23.9841, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2354, 0.2980, 0.2936$, and $8.7835, 0.2859, 0.2686$ is the 20% darker color. If you saturate the color by 10%, you get $18.7381, 0.2805, 0.2557$, and if you desaturate by 10%, it is $28.8242, 0.3053, 0.3112$.

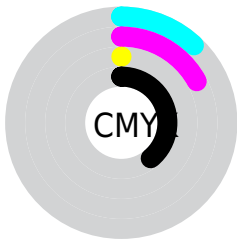
Distribution



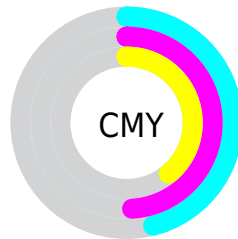
- Red (54%)
- Green (51%)
- Blue (61%)



- Red (54%)
- Yellow (51%)
- Blue (61%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (46%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4192, 0.2937, 0.2846 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 23.4192, 0.2937, 0.2846 by changing the saturation by 10% instead.

■ 23.4192, 0.2937,
0.2846

■ 23.4192, 0.2937,
0.2846

269.8708, 0.3044,
0.3088

■ 14.9033, 0.2905,
0.2779

■ 49.0807, 0.2979,
0.2939

■ 8.7516, 0.2861,
0.2687

■ 66.9952, 0.2994,
0.2972

■ 4.5795, 0.2796,
0.2556

■ 88.8114, 0.3006,
0.3000

■ 2.0027, 0.2690,
0.2355

114.9136, 0.3016,
0.3023

■ 0.6091, 0.2510,
0.1940

145.6862, 0.3025,
0.3043

■ 0.0000, 0.0000,
0.0000

181.5137, 0.3032,

0.3060

222.7805, 0.3039,
0.3074

■ 23.4192, 0.2937,
0.2846

■ 23.4192, 0.2937,
0.2846

■ 18.7381, 0.2805,
0.2557

■ 28.8242, 0.3053,
0.3112

■ 14.7467, 0.2658,
0.2249

■ 34.9794, 0.3153,
0.3352

■ 11.4125, 0.2498,
0.1933

■ 41.9133, 0.3238,
0.3567

■ 8.6993, 0.2330,
0.1621

■ 49.6522, 0.3311,
0.3758

■ 6.5670, 0.2161,
0.1329

■ 58.2210, 0.3373,
0.3926

■ 4.9708, 0.2000,
0.1078

■ 67.6436, 0.3426,
0.4074

■ 3.8592, 0.1856,
0.0882

■ 77.9430, 0.3470,
0.4205

■ 3.1490, 0.1737,
0.0747

■ 89.1411, 0.3507,
0.4320

■ 2.9865, 0.1708,
0.0715

■ 91.7202, 0.3579,
0.4303

Harmonies

Analogous

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



23.4192, 0.2719, 0.2839



23.4192, 0.2937, 0.2846



23.4192, 0.3216, 0.2959

Triad

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



23.4192, 0.2937, 0.2846



23.4192, 0.3672, 0.3603



23.4192, 0.2778, 0.3424

Complementary

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



23.4192, 0.2937, 0.2846



31.6599, 0.3297, 0.3719

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.



23.4192, 0.3022, 0.3658



23.4192, 0.2937, 0.2846



23.4192, 0.3541, 0.3753

Square

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



23.4192, 0.2937, 0.2846



23.4192, 0.3650, 0.3382



23.4192, 0.3301, 0.3780



23.4192, 0.2630, 0.3160

Rectangle

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



23.4192, 0.2937, 0.2846



23.4192, 0.3399, 0.3080



23.4192, 0.3301, 0.3780



23.4192, 0.2851, 0.3510

Sweetspot

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



23.4202, 0.2937, 0.2846



54.7006, 0.3076, 0.3167



28.3589, 0.2867, 0.3164



11.8828, 0.3069, 0.3151



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.4202, 0.2937, 0.2846



38.8872, 0.2885, 0.2730



24.6002, 0.3081, 0.2865



6.5258, 0.3031, 0.3062



2.4759, 0.1715, 0.0718



0.0646, 0.2141, 0.0953

Inverse Universe

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



24.9078, 0.3233, 0.2993



42.1582, 0.3263, 0.2920



30.5023, 0.3163, 0.3737



6.7211, 0.3180, 0.3134



6.7514, 0.4110, 0.2038



0.1277, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 23.4192, 0.2937, 0.2846 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4192, 0.2937, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

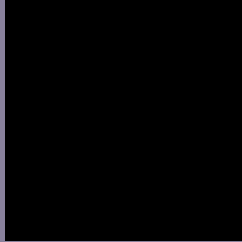
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4192, 0.2937, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 23.4192, 0.2937, 0.2846.



This preview shows how white text looks on a background with the Yxy color 23.4192, 0.2937, 0.2846.

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

23.4192, 0.2937, 0.2846

Protanopia

23.5603, 0.2826, 0.2854

Deuteranopia

23.5165, 0.2916, 0.2860



Tritanopia

23.3365, 0.3057, 0.3103

Trichromacy



Original Color

23.4192, 0.2937, 0.2846

Protanomaly

23.4922, 0.2865, 0.2856

Deuteranomaly

23.5998, 0.2927, 0.2862

Tritanomaly

23.3061, 0.3017, 0.3004

Monochromacy



Original Color

23.4192, 0.2937, 0.2846

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6064, 0.3056, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4192, 0.2937, 0.2846 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(137, 129, 156)` looks like.

```
.text, #text, p{  
    color:rgb(137, 129, 156)  
}
```

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(137, 129, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 129, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.4192, 0.2937, 0.2846 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(137, 129, 156) }
```

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

```
.border{ border-color:rgb(137, 129, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 129, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 129, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 129, 156);  
box-shadow:4px 4px 4px 4px rgb(137, 129,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4192, 0.2937, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 129, 156) }
```

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

```
.background{ background-color: rgb(137,  
129, 156) }
```

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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