

Converting Colors

$Y_{xy}(23.6249, 0.2955, 0.4920)$

Have a look what the booklet for
Yxy(23.6249, 0.2955, 0.4920)
contains.

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Color

Yxy(23.5883, 0.2949, 0.4910)

Conversions

Conversions Part 1

Format	Color
Hex	3C974A
RGB	60, 151, 74
RGB Percent	24%, 59%, 29%
CMY	0.7646, 0.4078, 0.7098
CMYK	0.60, 0.00, 0.51, 0.41
HSL	129°, 43%, 41%
HSV	129°, 60%, 59%
XYZ	14.1674, 23.5883, 10.2857
YIQ	115.0130, -29.5190, -43.2390

Conversions

Conversions Part 2

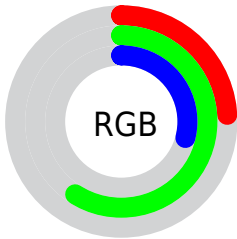
Format	Color
RYB	60, 139, 151
Decimal	3970890
CIELab	55.67, -43.83, 32.49
CIELCh	56, 54.557, 143.453
Yxy	23.5883, 0.2949, 0.4910
Android (android.graphics.Color)	4282160970 (0xFF3C974A)
YUV	115.0130, -20.2194, -48.2464
Hunter-Lab	48.5678, -32.9246, 21.4411

Details

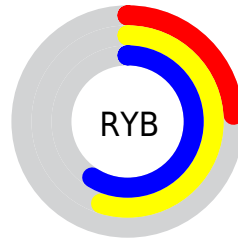
The Yxy color **23.5883, 0.2949, 0.4910** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.6205, 0.3409, 0.2096**, and the grayscale version is **17.2204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3109, 0.3017, 0.4521**, and **8.9983, 0.2884, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **23.0289, 0.2938, 0.5207**, and if you desaturate by 10%, it is **24.3189, 0.2969, 0.4602**.

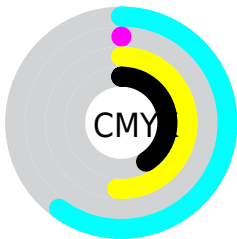
Distribution



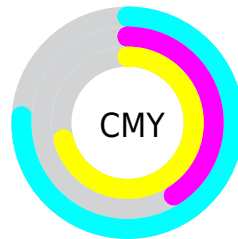
- Red (24%)
- Green (59%)
- Blue (29%)



- Red (24%)
- Yellow (55%)
- Blue (59%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (41%)




- Cyan (76%)
- Magenta (41%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5883, 0.2949, 0.4910 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 23.5883, 0.2949, 0.4910 by changing the saturation by 10% instead.


 23.5883, 0.2949,
0.4910


 23.5883, 0.2949,
0.4910


270.7324, 0.3088,
0.3948


 15.0285, 0.2886,
0.5213


 49.3575, 0.3017,
0.4517


 8.8394, 0.2780,
0.5644


 67.3357, 0.3037,
0.4383

 4.6366, 0.2586,
0.6296

 89.2222, 0.3051,
0.4275

 2.0356, 0.2215,
0.7785

 115.4014, 0.3062,
0.4186

 0.6281, 0.0000,
1.0000

 146.2576, 0.3071,
0.4112

 0.0000, 0.0000,
0.0000

182.1752, 0.3078,

0.4049

223.5387, 0.3083,
0.3995

■ 23.5883, 0.2949,
0.4910

■ 23.5883, 0.2949,
0.4910

■ 23.0289, 0.2938,
0.5207

■ 24.3189, 0.2969,
0.4602

■ 22.6238, 0.2937,
0.5473

■ 25.2300, 0.2995,
0.4298

■ 22.3579, 0.2946,
0.5692

■ 26.3339, 0.3026,
0.4010

■ 22.1960, 0.2959,
0.5851

■ 27.6408, 0.3059,
0.3745

■ 29.1602, 0.3093,
0.3506

■ 30.9010, 0.3126,
0.3295

■ 32.8718, 0.3158,
0.3110

■ 35.0803, 0.3189,
0.2948

■ 37.5343, 0.3217,
0.2808

Harmonies

Analogous

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



23.5883, 0.3832, 0.5017



23.5883, 0.2949, 0.4910



23.5883, 0.2161, 0.4056

Triad

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



23.5883, 0.2949, 0.4910



23.5883, 0.1741, 0.1947



23.5883, 0.4809, 0.3225

Complementary

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



23.5883, 0.2949, 0.4910



11.6205, 0.3409, 0.2096

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.



23.5883, 0.4057, 0.2628



23.5883, 0.2949, 0.4910



23.5883, 0.2247, 0.1929

Square

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



23.5883, 0.2949, 0.4910



23.5883, 0.1552, 0.2279



23.5883, 0.3071, 0.2170



23.5883, 0.4981, 0.3883

Rectangle

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



23.5883, 0.2949, 0.4910



23.5883, 0.1800, 0.3333



23.5883, 0.3071, 0.2170



23.5883, 0.4612, 0.3016

Sweetspot

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



23.5893, 0.2949, 0.4910



49.9850, 0.3066, 0.3698



27.8082, 0.3802, 0.4750



11.2039, 0.3057, 0.3766



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.5893, 0.2949, 0.4910



40.9812, 0.2936, 0.5296



24.4305, 0.2622, 0.3936



6.9403, 0.3096, 0.3484



18.8855, 0.2957, 0.5843



0.2858, 0.2802, 0.5285

Inverse Universe

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



11.6205, 0.3409, 0.2096



17.5935, 0.3485, 0.1921



10.5842, 0.4272, 0.2773



6.3073, 0.3159, 0.3104



6.9218, 0.3630, 0.1773



0.1074, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 23.5883, 0.2949, 0.4910 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 23.5883, 0.2949, 0.4910 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 23.5883, 0.2949, 0.4910

Background



This preview shows how black text looks on a background with the Yxy color 23.5883, 0.2949, 0.4910.



This preview shows how white text looks on a background with the Yxy color 23.5883, 0.2949, 0.4910.

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

23.5883, 0.2949, 0.4910

Protanopia

23.3034, 0.3983, 0.4361

Deuteranopia

23.3350, 0.4098, 0.4029



Tritanopia

23.4284, 0.2473, 0.3066

Trichromacy



Original Color

23.5883, 0.2949, 0.4910

Protanomaly

22.8432, 0.3534, 0.4598

Deuteranomaly

22.4435, 0.3591, 0.4358

Tritanomaly

23.1479, 0.2643, 0.3691

Monochromacy



Original Color

23.5883, 0.2949, 0.4910

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.7913, 0.3043, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5883, 0.2949, 0.4910 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(60, 151, 74)` looks like.

```
.text, #text, p{  
    color:rgb(60, 151, 74)  
}
```

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(60, 151, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 151, 74) }
```

Border

The CSS property to change the border of an element to Yxy 23.5883, 0.2949, 0.4910 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(60, 151, 74) }
```

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

```
.border{ border-color:rgb(60, 151, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 151, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 151, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 151, 74);  
box-shadow:4px 4px 4px 4px rgb(60, 151,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5883, 0.2949, 0.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 151, 74) }
```

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

```
.background{ background-color: rgb(60, 151,  
74) }
```

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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