

Converting Colors

$Y_{xy}(23.7286, 0.3015, 0.5108)$

Have a look what the booklet for
Yxy(23.7286, 0.3015, 0.5108)
contains.

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Color

Yxy(23.7873, 0.3014, 0.5115)

Conversions

Conversions Part 1

Format	Color
Hex	3C9840
RGB	60, 152, 64
RGB Percent	24%, 60%, 25%
CMY	0.7647, 0.4039, 0.7491
CMYK	0.61, 0.00, 0.58, 0.40
HSL	123°, 43%, 42%
HSV	123°, 61%, 60%
XYZ	14.0166, 23.7873, 8.7011
YIQ	114.4600, -26.5840, -46.8720

Conversions

Conversions Part 2

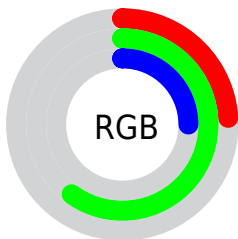
Format	Color
RYB	60, 148, 152
Decimal	3971136
CIELab	55.87, -45.64, 37.78
CIElCh	56, 59.245, 140.386
Yxy	23.7873, 0.3014, 0.5115
Android (android.graphics.Color)	4282161216 (0xFF3C9840)
YUV	114.4600, -24.8768, -47.7614
Hunter-Lab	48.7722, -34.0525, 23.5631

Details

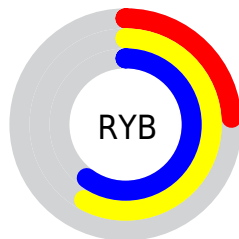
The Yxy color **23.7873, 0.3014, 0.5115** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.0455, 0.3251, 0.1966**, and the grayscale version is **17.0549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6225, 0.3081, 0.4678**, and **9.1434, 0.2954, 0.5833** is the 20% darker color. If you saturate the color by 10%, you get **23.2365, 0.3002, 0.5421**, and if you desaturate by 10%, it is **24.5192, 0.3030, 0.4781**.

Distribution



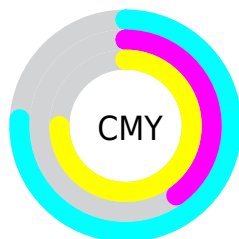
- Red (24%)
- Green (60%)
- Blue (25%)



- Red (24%)
- Yellow (58%)
- Blue (60%)



- Cyan (61%)
- Magenta (0%)
- Yellow (58%)
- Black (40%)





- Cyan (76%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7873, 0.3014, 0.5115 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 23.7873, 0.3014, 0.5115 by changing the saturation by 10% instead.


 23.7873, 0.3014,
0.5115


 23.7873, 0.3014,
0.5115


271.7434, 0.3129,
0.4033


 15.1759, 0.2950,
0.5451


 49.6829, 0.3077,
0.4675


 8.9429, 0.2837,
0.5921


 67.7359, 0.3094,
0.4524


 4.7040, 0.2646,
0.6676

 89.7048, 0.3105,
0.4402

 2.0746, 0.2114,
0.7886

 115.9742, 0.3113,
0.4302

 0.6503, 0.0000,
1.0000

 146.9283, 0.3119,
0.4218

 0.0000, 0.0000,
0.0000

182.9517, 0.3123,

0.4147

224.4285, 0.3126,
0.4086

■ 23.7873, 0.3014,
0.5115

■ 23.7873, 0.3014,
0.5115

■ 23.2365, 0.3002,
0.5421

■ 24.5192, 0.3030,
0.4781

■ 22.8485, 0.2994,
0.5675

■ 25.4429, 0.3049,
0.4443

■ 22.6061, 0.2992,
0.5859

■ 26.5717, 0.3069,
0.4117

■ 22.4722, 0.2990,
0.5965

■ 27.9170, 0.3089,
0.3815

■ 29.4891, 0.3108,
0.3542

■ 31.2980, 0.3126,
0.3302

■ 33.3527, 0.3143,
0.3092

■ 35.6622, 0.3158,
0.2910

■ 38.2346, 0.3171,
0.2753

Harmonies

Analogous

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



23.7873, 0.3952, 0.5113



23.7873, 0.3014, 0.5115



23.7873, 0.2155, 0.4244

Triad

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



23.7873, 0.3014, 0.5115



23.7873, 0.1618, 0.1876



23.7873, 0.4888, 0.3136

Complementary

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



23.7873, 0.3014, 0.5115



12.0455, 0.3251, 0.1966

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.



23.7873, 0.4023, 0.2521



23.7873, 0.3014, 0.5115



23.7873, 0.2112, 0.1831

Square

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



23.7873, 0.3014, 0.5115



23.7873, 0.1452, 0.2256



23.7873, 0.2957, 0.2060



23.7873, 0.5130, 0.3822

Rectangle

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



23.7873, 0.3014, 0.5115



23.7873, 0.1752, 0.3444



23.7873, 0.2957, 0.2060



23.7873, 0.4654, 0.2920

Sweetspot

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



23.7883, 0.3014, 0.5115



49.8436, 0.3093, 0.3753



29.1676, 0.3926, 0.4688



11.1684, 0.3088, 0.3830



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.



23.7883, 0.3014, 0.5115



40.7134, 0.2998, 0.5527



24.5238, 0.2698, 0.4173



6.9297, 0.3111, 0.3509



18.8427, 0.2989, 0.5962



0.2827, 0.2938, 0.5777

Inverse Universe

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



12.0455, 0.3251, 0.1966



18.0537, 0.3278, 0.1770



10.8850, 0.4058, 0.2597



6.3190, 0.3144, 0.3080



7.3230, 0.3318, 0.1602



0.1107, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 23.7873, 0.3014, 0.5115 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 23.7873, 0.3014, 0.5115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

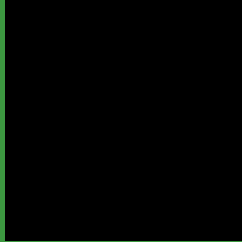
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7873, 0.3014, 0.5115

Background



This preview shows how black text looks on a background with the Yxy color 23.7873, 0.3014, 0.5115.



This preview shows how white text looks on a background with the Yxy color 23.7873, 0.3014, 0.5115.

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

23.7873, 0.3014, 0.5115

Protanopia

23.3764, 0.4098, 0.4484

Deuteranopia

23.4202, 0.4220, 0.4147



Tritanopia

23.7719, 0.2483, 0.3085

Trichromacy



Original Color

23.7873, 0.3014, 0.5115

Protanomaly

22.7954, 0.3628, 0.4754

Deuteranomaly

22.4613, 0.3709, 0.4515

Tritanomaly

23.3941, 0.2684, 0.3793

Monochromacy



Original Color

23.7873, 0.3014, 0.5115

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.6626, 0.3073, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7873, 0.3014, 0.5115 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, 152, 64)` looks like.

```
.text, #text, p{  
    color:rgb(60, 152, 64)  
}
```

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, 152, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 152, 64) }
```

Border

The CSS property to change the border of an element to Yxy 23.7873, 0.3014, 0.5115 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, 152, 64) }
```

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

```
.border{ border-color:rgb(60, 152, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 152, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 152, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 152, 64);  
box-shadow:4px 4px 4px 4px rgb(60, 152,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7873, 0.3014, 0.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 152, 64) }
```

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

```
.background{ background-color: rgb(60, 152,  
64) }
```

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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