

Converting Colors

$Y_{xy}(23.7616, 0.3141, 0.5272)$

Have a look what the booklet for
Yxy(23.7616, 0.3141, 0.5272)
contains.

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Color

Yxy(23.6192, 0.3139, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	449735
RGB	68, 151, 53
RGB Percent	27%, 59%, 21%
CMY	0.7334, 0.4078, 0.7922
CMYK	0.55, 0.00, 0.65, 0.41
HSL	111°, 48%, 40%
HSV	111°, 65%, 59%
XYZ	14.0925, 23.6192, 7.1832
YIQ	115.0110, -18.0100, -48.0740

Conversions

Conversions Part 2

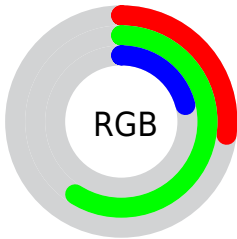
Format	Color
RYB	53, 151, 136
Decimal	4495157
CIELab	55.70, -44.43, 42.82
CIElCh	56, 61.704, 136.062
Yxy	23.6192, 0.3139, 0.5261
Android (android.graphics.Color)	4282685237 (0xFF449735)
YUV	115.0110, -30.5714, -41.2286
Hunter-Lab	48.5996, -33.2893, 25.2565

Details

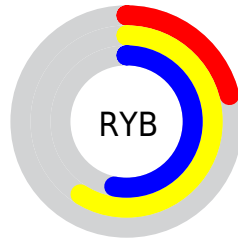
The Yxy color **23.6192, 0.3139, 0.5261** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.0148, 0.2967, 0.1746**, and the grayscale version is **17.2461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4272, 0.3186, 0.4789**, and **8.9237, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.0918, 0.3119, 0.5539**, and if you desaturate by 10%, it is **24.2928, 0.3152, 0.4944**.

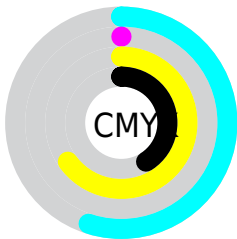
Distribution



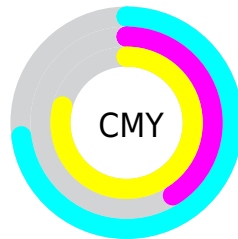
- Red (27%)
- Green (59%)
- Blue (21%)



- Red (21%)
- Yellow (59%)
- Blue (53%)



- Cyan (55%)
- Magenta (0%)
- Yellow (65%)
- Black (41%)





- Cyan (73%)
- Magenta (41%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6192, 0.3139, 0.5261 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 23.6192, 0.3139, 0.5261 by changing the saturation by 10% instead.


 23.6192, 0.3139,
0.5261


 23.6192, 0.3139,
0.5261


270.8896, 0.3196,
0.4098


 15.0514, 0.3083,
0.5613


 49.4081, 0.3185,
0.4792

 8.8555, 0.2973,
0.6095


 67.3979, 0.3193,
0.4630


 4.6470, 0.2840,
0.7002

 89.2972, 0.3198,
0.4498

 2.0417, 0.2176,
0.7824

 115.4904, 0.3200,
0.4390

 0.6315, 0.0000,
1.0000

 146.3618, 0.3200,
0.4299

 0.0000, 0.0000,
0.0000

 182.2959, 0.3199,

0.4222

223.6770, 0.3198,
0.4155

■ 23.6192, 0.3139,
0.5261

■ 23.6192, 0.3139,
0.5261

■ 23.0918, 0.3119,
0.5539

■ 24.2928, 0.3152,
0.4944

■ 22.6966, 0.3092,
0.5757

■ 25.1192, 0.3158,
0.4610

■ 22.4218, 0.3062,
0.5902

■ 26.1083, 0.3158,
0.4278

■ 22.3180, 0.3050,
0.5960

■ 27.2683, 0.3153,
0.3962

■ 28.6068, 0.3144,
0.3671

■ 30.1310, 0.3133,
0.3408

■ 31.8476, 0.3121,
0.3175

■ 33.7631, 0.3108,
0.2970

■ 35.8835, 0.3095,
0.2791

Harmonies

Analogous

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



23.6192, 0.4100, 0.5115



23.6192, 0.3139, 0.5261



23.6192, 0.2224, 0.4465

Triad

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



23.6192, 0.3139, 0.5261



23.6192, 0.1524, 0.1858



23.6192, 0.4867, 0.3024

Complementary

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



23.6192, 0.3139, 0.5261



10.0148, 0.2967, 0.1746

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.



23.6192, 0.3899, 0.2411



23.6192, 0.3139, 0.5261



23.6192, 0.1979, 0.1772

Square

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



23.6192, 0.3139, 0.5261



23.6192, 0.1399, 0.2303



23.6192, 0.2800, 0.1969



23.6192, 0.5217, 0.3719

Rectangle

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



23.6192, 0.3139, 0.5261



23.6192, 0.1773, 0.3624



23.6192, 0.2800, 0.1969



23.6192, 0.4594, 0.2807

Sweetspot

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



23.6202, 0.3139, 0.5261



50.1155, 0.3148, 0.3798



24.0724, 0.4159, 0.4546



11.2479, 0.3150, 0.3875



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.



23.6202, 0.3139, 0.5261



40.9942, 0.3107, 0.5649



23.5577, 0.2824, 0.4684



6.9687, 0.3138, 0.3518



18.9938, 0.3053, 0.5958



0.2941, 0.3256, 0.5797

Inverse Universe

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



10.0148, 0.2967, 0.1746



14.6179, 0.2911, 0.1515



10.4412, 0.3757, 0.2264



6.2758, 0.3114, 0.3069



5.8077, 0.2834, 0.1335



0.0982, 0.3013, 0.1433

Previews

White Background



This preview shows how the Yxy color 23.6192, 0.3139, 0.5261 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 23.6192, 0.3139, 0.5261 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 23.6192, 0.3139, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 23.6192, 0.3139, 0.5261.



This preview shows how white text looks on a background with the Yxy color 23.6192, 0.3139, 0.5261.

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

23.6192, 0.3139, 0.5261

Protanopia

23.2844, 0.4177, 0.4602

Deuteranopia

23.1511, 0.4340, 0.4255



Tritanopia

23.4735, 0.2535, 0.3068

Trichromacy



Original Color

23.6192, 0.3139, 0.5261

Protanomaly

22.9084, 0.3738, 0.4876

Deuteranomaly

22.3006, 0.3841, 0.4635

Tritanomaly

23.2845, 0.2767, 0.3851

Monochromacy



Original Color

23.6192, 0.3139, 0.5261

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.8077, 0.3160, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6192, 0.3139, 0.5261 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(68, 151, 53)` looks like.

```
.text, #text, p{  
    color:rgb(68, 151, 53)  
}
```

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(68, 151, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 151, 53) }
```

Border

The CSS property to change the border of an element to Yxy 23.6192, 0.3139, 0.5261 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(68, 151, 53) }
```

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

```
.border{ border-color:rgb(68, 151, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 151, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 151, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 151, 53);  
box-shadow:4px 4px 4px 4px rgb(68, 151,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6192, 0.3139, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 151, 53) }
```

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

```
.background{ background-color: rgb(68, 151,  
53) }
```

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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