

Converting Colors

$Y_{xy}(23.5633, 0.2553, 0.3719)$

Have a look what the booklet for
Yxy(23.5633, 0.2553, 0.3719)
contains.

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Color

Yxy(23.6419, 0.2549, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	3B947F
RGB	59, 148, 127
RGB Percent	23%, 58%, 50%
CMY	0.7685, 0.4196, 0.5019
CMYK	0.60, 0.00, 0.14, 0.42
HSL	166°, 43%, 41%
HSV	166°, 60%, 58%
XYZ	16.2260, 23.6419, 23.7883
YIQ	118.9950, -46.3030, -25.3990

Conversions

Conversions Part 2

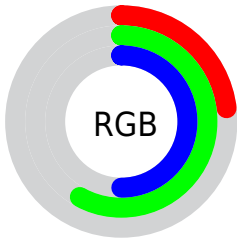
Format	Color
R_{YB}	59, 109, 148
Decimal	3904639
CIE _{Lab}	55.73, -31.80, 3.21
CIE _{LCh}	56, 31.961, 174.233
Yxy	23.6419, 0.2549, 0.3714
Android (android.graphics.Color)	4282094719 (0xFF3B947F)
YUV	118.9950, 3.9465, -52.6156
Hunter-Lab	48.6229, -25.5229, 5.0290

Details

The Yxy color **23.6419, 0.2549, 0.3714** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0070, 0.4484, 0.2947**, and the grayscale version is **18.4477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6520, 0.2673, 0.3620**, and **9.0994, 0.2413, 0.3886** is the 20% darker color. If you saturate the color by 10%, you get **23.1631, 0.2500, 0.3798**, and if you desaturate by 10%, it is **24.2539, 0.2615, 0.3632**.

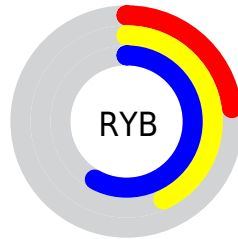
Distribution



Red (23%)

Green (58%)

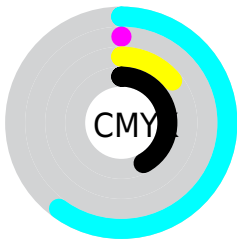
Blue (50%)



Red (23%)

Yellow (43%)

Blue (58%)

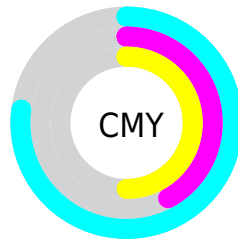


Cyan (60%)

Magenta (0%)

Yellow (14%)

Black (42%)



Cyan (77%)


Magenta (42%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6419, 0.2549, 0.3714 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 23.6419, 0.2549, 0.3714 by changing the saturation by 10% instead.


 23.6419, 0.2549,
0.3714


 23.6419, 0.2549,
0.3714

271.0050, 0.2871,
0.3475


 15.0682, 0.2456,
0.3785


 49.4452, 0.2675,
0.3619


 8.8673, 0.2327,
0.3884


 67.4436, 0.2720,
0.3586

 4.6547, 0.2138,
0.4033

 89.3523, 0.2756,
0.3559

 2.0461, 0.1838,
0.4278

 115.5558, 0.2787,
0.3537

 0.6341, 0.0000,
0.5765

 146.4384, 0.2813,
0.3518

 0.0000, 0.0000,
0.0000

182.3845, 0.2835,

0.3501

223.7786, 0.2854,
0.3487

■ 23.6419, 0.2549,
0.3714

■ 23.6419, 0.2549,
0.3714

■ 23.1631, 0.2500,
0.3798

■ 24.2539, 0.2615,
0.3632

■ 22.8037, 0.2470,
0.3884

■ 25.0063, 0.2697,
0.3554

■ 22.5513, 0.2458,
0.3969

■ 25.9089, 0.2792,
0.3480

■ 22.3734, 0.2459,
0.4053

■ 26.9699, 0.2896,
0.3411

■ 28.1968, 0.3009,
0.3348

■ 29.5969, 0.3126,
0.3291

■ 31.1766, 0.3246,
0.3239

■ 32.9425, 0.3366,
0.3192

■ 34.9004, 0.3485,
0.3151

Harmonies

Analogous

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



23.6419, 0.3049, 0.4172



23.6419, 0.2549, 0.3714



23.6419, 0.2221, 0.3145

Triad

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



23.6419, 0.2549, 0.3714



23.6419, 0.2606, 0.2421



23.6419, 0.4244, 0.3744

Complementary

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



23.6419, 0.2549, 0.3714



10.0070, 0.4484, 0.2947

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.



23.6419, 0.4120, 0.3308



23.6419, 0.2549, 0.3714



23.6419, 0.3127, 0.2583

Square

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



23.6419, 0.2549, 0.3714



23.6419, 0.2255, 0.2448



23.6419, 0.3695, 0.2898



23.6419, 0.4040, 0.4121

Rectangle

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



23.6419, 0.2549, 0.3714



23.6419, 0.2129, 0.2821



23.6419, 0.3695, 0.2898



23.6419, 0.4240, 0.3600

Sweetspot

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



23.6428, 0.2549, 0.3714



47.9454, 0.2916, 0.3400



23.2572, 0.3223, 0.5066



10.8208, 0.2886, 0.3418



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.6428, 0.2549, 0.3714



40.6373, 0.2488, 0.3827



17.9289, 0.2306, 0.2836



6.5391, 0.3019, 0.3343



19.1151, 0.2458, 0.4048



0.2385, 0.2347, 0.3649

Inverse Universe

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



10.0070, 0.4484, 0.2947



14.3780, 0.4985, 0.2922



12.5380, 0.4665, 0.3663



5.8365, 0.3247, 0.3238



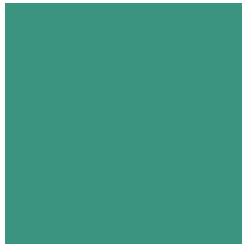
5.4847, 0.5917, 0.3033



0.0711, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 23.6419, 0.2549, 0.3714 looks on a white background.

Color Contrast Check

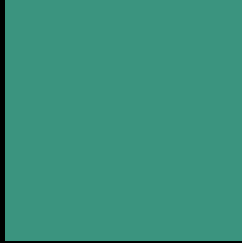
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6419, 0.2549, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

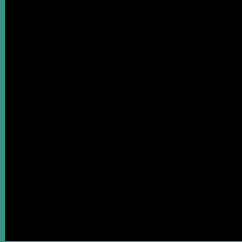
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6419, 0.2549, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 23.6419, 0.2549, 0.3714.

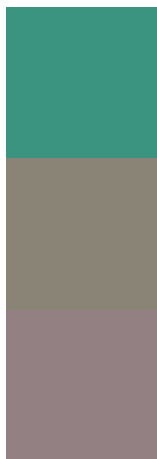


This preview shows how white text looks on a background with the Yxy color 23.6419, 0.2549, 0.3714.

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

23.6419, 0.2549, 0.3714

Protanopia

23.2377, 0.3339, 0.3517

Deuteranopia

23.1880, 0.3308, 0.3240



Tritanopia

23.6489, 0.2397, 0.3064

Trichromacy



Original Color

23.6419, 0.2549, 0.3714

Protanomaly

22.8333, 0.2975, 0.3592

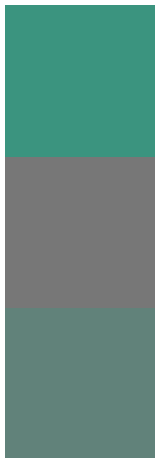
Deuteranomaly

22.5171, 0.2949, 0.3382

Tritanomaly

23.4534, 0.2451, 0.3288

Monochromacy



Original Color

23.6419, 0.2549, 0.3714

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.9118, 0.2845, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6419, 0.2549, 0.3714 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(59, 148, 127)` looks like.

```
.text, #text, p{  
  color:rgb(59, 148, 127)  
}
```

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(59, 148, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 148, 127) }
```

Border

The CSS property to change the border of an element to Yxy 23.6419, 0.2549, 0.3714 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(59, 148, 127) }
```

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

```
.border{ border-color:rgb(59, 148, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 148, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 148, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 148, 127);  
box-shadow:4px 4px 4px 4px rgb(59, 148,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6419, 0.2549, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 148, 127) }
```

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

```
.background{ background-color: rgb(59, 148,  
127) }
```

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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