

Converting Colors

$Yxy(23.0563, 0.2451, 0.3508)$

Have a look what the booklet for
Yxy(23.0563, 0.2451, 0.3508)
contains.

Yxy(23.0639, 0.2453, 0.3510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(23.0639, 0.2453, 0.3510)$

Conversions

Conversions Part 1

Format	Color
Hex	359287
RGB	53, 146, 135
RGB Percent	21%, 57%, 53%
CMY	0.7924, 0.4274, 0.4706
CMYK	0.64, 0.00, 0.08, 0.43
HSL	173°, 47%, 39%
HSV	173°, 64%, 57%
XYZ	16.1184, 23.0639, 26.5268
YIQ	116.9390, -51.8970, -23.1370

Conversions

Conversions Part 2

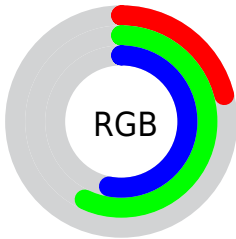
Format	Color
RYB	53, 102, 146
Decimal	3510919
CIELab	55.14, -29.87, -2.26
CIElCh	55, 29.958, 184.327
Yxy	23.0639, 0.2453, 0.3510
Android (android.graphics.Color)	4281700999 (0xFF359287)
YUV	116.9390, 8.9041, -56.0745
Hunter-Lab	48.0249, -24.1341, 0.8683

Details

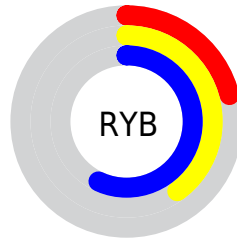
The Yxy color **23.0639, 0.2453, 0.3510** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.0225, 0.4859, 0.3120**, and the grayscale version is **17.7494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3189, 0.2599, 0.3461**, and **8.8403, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **22.6798, 0.2402, 0.3550**, and if you desaturate by 10%, it is **23.5711, 0.2522, 0.3471**.

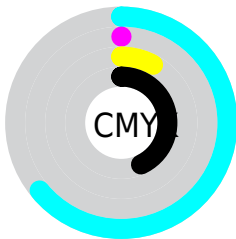
Distribution



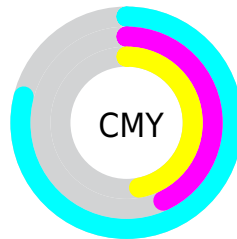
- Red (21%)
- Green (57%)
- Blue (53%)



- Red (21%)
- Yellow (40%)
- Blue (57%)



- Cyan (64%)
- Magenta (0%)
- Yellow (8%)
- Black (43%)





- Cyan (79%)
- Magenta (43%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0639, 0.2453, 0.3510 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 23.0639, 0.2453, 0.3510 by changing the saturation by 10% instead.


 23.0639, 0.2453,
0.3510


 23.0639, 0.2453,
0.3510


268.0530, 0.2825,
0.3391


 14.6407, 0.2347,
0.3542


 48.4982, 0.2598,
0.3465


 8.5676, 0.2202,
0.3586


 66.2781, 0.2649,
0.3448


 4.4602, 0.1992,
0.3646

 87.9458, 0.2691,
0.3435

 1.9342, 0.1667,
0.3733

 113.8855, 0.2727,
0.3423

 0.5688, 0.0000,
0.4225

 144.4816, 0.2757,
0.3414

 0.0000, 0.0000,
0.0000

180.1187, 0.2783,

0.3405

221.1810, 0.2805,
0.3398

■ 23.0639, 0.2453,
0.3510

■ 23.0639, 0.2453,
0.3510

■ 22.6798, 0.2402,
0.3550

■ 23.5711, 0.2522,
0.3471

■ 22.4048, 0.2369,
0.3590

■ 24.2086, 0.2608,
0.3433

■ 22.2260, 0.2354,
0.3630

■ 24.9864, 0.2709,
0.3396

■ 22.1382, 0.2349,
0.3655

■ 25.9124, 0.2822,
0.3362

■ 26.9942, 0.2946,
0.3330

■ 28.2388, 0.3077,
0.3300

■ 29.6527, 0.3213,
0.3274

■ 31.2422, 0.3351,
0.3250

■ 33.0132, 0.3489,
0.3228

Harmonies

Analogous

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



23.0639, 0.2884, 0.4001



23.0639, 0.2453, 0.3510



23.0639, 0.2210, 0.2992

Triad

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



23.0639, 0.2453, 0.3510



23.0639, 0.2787, 0.2496



23.0639, 0.4151, 0.3857

Complementary

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



23.0639, 0.2453, 0.3510



9.0225, 0.4859, 0.3120

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.



23.0639, 0.4140, 0.3451



23.0639, 0.2453, 0.3510



23.0639, 0.3312, 0.2705

Square

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



23.0639, 0.2453, 0.3510



23.0639, 0.2390, 0.2460



23.0639, 0.3823, 0.3043



23.0639, 0.3872, 0.4165

Rectangle

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



23.0639, 0.2453, 0.3510



23.0639, 0.2171, 0.2724



23.0639, 0.3823, 0.3043



23.0639, 0.4183, 0.3727

Sweetspot

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



23.0648, 0.2453, 0.3510



46.5038, 0.2875, 0.3348



21.9523, 0.3126, 0.5229



10.2396, 0.2844, 0.3356



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.0648, 0.2453, 0.3510



39.7997, 0.2387, 0.3565



14.3939, 0.2215, 0.2564



6.5506, 0.3004, 0.3316



19.4820, 0.2348, 0.3653



0.2411, 0.2294, 0.3457

Inverse Universe

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



9.0225, 0.4859, 0.3120



13.0297, 0.5456, 0.3126



13.1957, 0.4655, 0.3861



5.8259, 0.3265, 0.3264



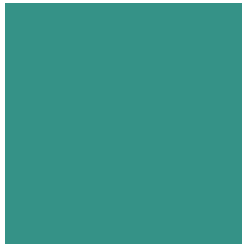
5.4160, 0.6216, 0.3198



0.0685, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 23.0639, 0.2453, 0.3510 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 23.0639, 0.2453, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

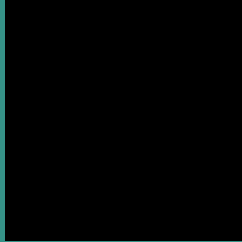
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0639, 0.2453, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 23.0639, 0.2453, 0.3510.

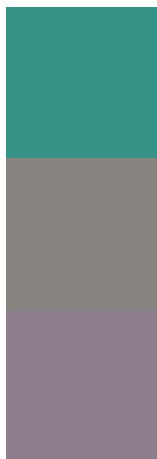


This preview shows how white text looks on a background with the Yxy color 23.0639, 0.2453, 0.3510.

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

23.0639, 0.2453, 0.3510

Protanopia

22.8899, 0.3228, 0.3378

Deuteranopia

22.6183, 0.3148, 0.3087



Tritanopia

23.0356, 0.2354, 0.3060

Trichromacy



Original Color

23.0639, 0.2453, 0.3510

Protanomaly

22.1966, 0.2866, 0.3422

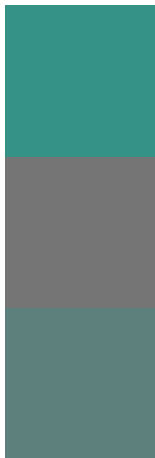
Deuteranomaly

22.0733, 0.2811, 0.3215

Tritanomaly

23.0144, 0.2388, 0.3210

Monochromacy



Original Color

23.0639, 0.2453, 0.3510

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2733, 0.2793, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0639, 0.2453, 0.3510 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(53, 146, 135)` looks like.

```
.text, #text, p{  
    color:rgb(53, 146, 135)  
}
```

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(53, 146, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 146, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.0639, 0.2453, 0.3510 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(53, 146, 135) }
```

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

```
.border{ border-color:rgb(53, 146, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 146, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 146, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 146, 135);  
box-shadow:4px 4px 4px 4px rgb(53, 146,  
135) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.0639, 0.2453, 0.3510$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 146, 135) }
```

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

```
.background{ background-color: rgb(53, 146,  
135) }
```

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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