

Converting Colors

$Y_{xy}(23.2279, 0.2518, 0.3608)$

Have a look what the booklet for
Yxy(23.2279, 0.2518, 0.3608)
contains.

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Color

Yxy(23.1263, 0.2513, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	3B9283
RGB	59, 146, 131
RGB Percent	23%, 57%, 51%
CMY	0.7685, 0.4274, 0.4863
CMYK	0.60, 0.00, 0.10, 0.43
HSL	170°, 42%, 40%
HSV	170°, 60%, 57%
XYZ	16.1794, 23.1263, 25.0771
YIQ	118.2770, -47.0370, -23.1090

Conversions

Conversions Part 2

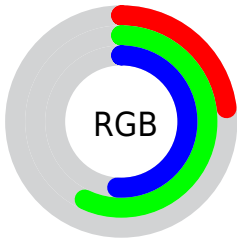
Format	Color
R _Y B	59, 107, 146
Decimal	3904131
CIE Lab	55.20, -29.80, 0.17
CIE LCh	55, 29.801, 179.676
Yxy	23.1263, 0.2513, 0.3592
Android (android.graphics.Color)	4282094211 (0xFF3B9283)
YUV	118.2770, 6.2724, -51.9859
Hunter-Lab	48.0898, -24.1024, 2.7453

Details

The Yxy color **23.1263, 0.2513, 0.3592** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7372, 0.4582, 0.3044**, and the grayscale version is **18.2015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4141, 0.2644, 0.3519**, and **8.7936, 0.2360, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **22.6740, 0.2458, 0.3652**, and if you desaturate by 10%, it is **23.7069, 0.2585, 0.3534**.

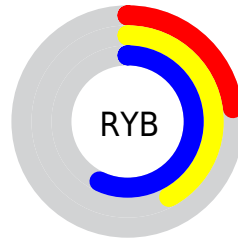
Distribution



Red (23%)

Green (57%)

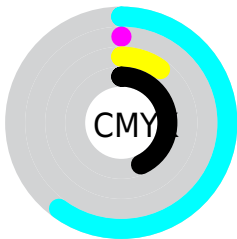
Blue (51%)



Red (23%)

Yellow (42%)

Blue (57%)

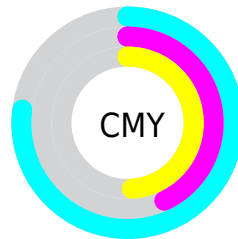


Cyan (60%)

Magenta (0%)

Yellow (10%)

Black (43%)



Cyan (77%)


Magenta (43%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1263, 0.2513, 0.3592 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 23.1263, 0.2513, 0.3592 by changing the saturation by 10% instead.


 23.1263, 0.2513,
0.3592


 23.1263, 0.2513,
0.3592


268.3730, 0.2854,
0.3424


 14.6868, 0.2415,
0.3640


 48.6006, 0.2646,
0.3527


 8.5999, 0.2280,
0.3707


 66.4042, 0.2693,
0.3503


 4.4811, 0.2084,
0.3804

 88.0980, 0.2732,
0.3484

 1.9462, 0.1774,
0.3957

 114.0663, 0.2764,
0.3468

 0.5759, 0.0000,
0.4835

 144.6936, 0.2792,
0.3455

 0.0000, 0.0000,
0.0000

180.3642, 0.2815,

0.3443

221.4626, 0.2836,
0.3433

■ 23.1263, 0.2513,
0.3592

■ 23.1263, 0.2513,
0.3592

■ 22.6740, 0.2458,
0.3652

■ 23.7069, 0.2585,
0.3534

■ 22.3365, 0.2422,
0.3712

■ 24.4225, 0.2673,
0.3478

■ 22.1023, 0.2404,
0.3773

■ 25.2826, 0.2774,
0.3425

■ 21.9403, 0.2399,
0.3833

■ 26.2952, 0.2887,
0.3376

■ 21.9336, 0.2399,
0.3836

■ 27.4673, 0.3007,
0.3330

■ 28.8060, 0.3133,
0.3288

■ 30.3175, 0.3262,
0.3251

■ 32.0080, 0.3392,
0.3217

■ 33.8833, 0.3521,
0.3187

Harmonies

Analogous

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



23.1263, 0.2964, 0.4054



23.1263, 0.2513, 0.3592



23.1263, 0.2238, 0.3067

Triad

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



23.1263, 0.2513, 0.3592



23.1263, 0.2717, 0.2483



23.1263, 0.4164, 0.3795

Complementary

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



23.1263, 0.2513, 0.3592



9.7372, 0.4582, 0.3044

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.



23.1263, 0.4103, 0.3386



23.1263, 0.2513, 0.3592



23.1263, 0.3227, 0.2666

Square

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



23.1263, 0.2513, 0.3592



23.1263, 0.2350, 0.2476



23.1263, 0.3748, 0.2986



23.1263, 0.3926, 0.4124

Rectangle

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



23.1263, 0.2513, 0.3592



23.1263, 0.2176, 0.2782



23.1263, 0.3748, 0.2986



23.1263, 0.4179, 0.3662

Sweetspot

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



23.1272, 0.2513, 0.3592



46.6205, 0.2901, 0.3370



22.3692, 0.3170, 0.5077



10.2588, 0.2870, 0.3382



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.



23.1272, 0.2513, 0.3592



39.8078, 0.2446, 0.3669



16.0717, 0.2286, 0.2716



6.5452, 0.3011, 0.3328



19.3041, 0.2398, 0.3833



0.2399, 0.2317, 0.3543

Inverse Universe

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



9.7372, 0.4582, 0.3044



14.0347, 0.5103, 0.3030



13.1743, 0.4572, 0.3761



5.8308, 0.3257, 0.3252



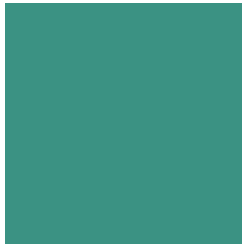
5.4428, 0.6095, 0.3131



0.0697, 0.5206, 0.2641

Previews

White Background



This preview shows how the Yxy color 23.1263, 0.2513, 0.3592 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 23.1263, 0.2513, 0.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

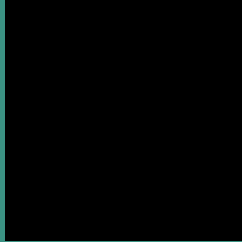
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1263, 0.2513, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 23.1263, 0.2513, 0.3592.

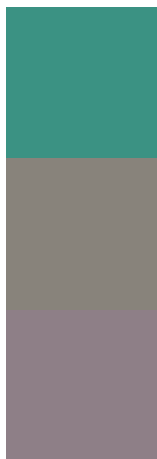


This preview shows how white text looks on a background with the Yxy color 23.1263, 0.2513, 0.3592.

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

23.1263, 0.2513, 0.3592

Protanopia

22.8969, 0.3273, 0.3430

Deuteranopia

22.6788, 0.3216, 0.3155



Tritanopia

23.2070, 0.2394, 0.3080

Trichromacy



Original Color

23.1263, 0.2513, 0.3592

Protanomaly

22.3028, 0.2925, 0.3479

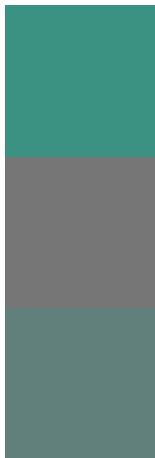
Deuteranomaly

22.2162, 0.2889, 0.3289

Tritanomaly

23.1457, 0.2434, 0.3249

Monochromacy



Original Color

23.1263, 0.2513, 0.3592

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.4098, 0.2833, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1263, 0.2513, 0.3592 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, 146, 131)` looks like.

```
.text, #text, p{  
    color:rgb(59, 146, 131)  
}
```

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, 146, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 146, 131) }
```

Border

The CSS property to change the border of an element to Yxy 23.1263, 0.2513, 0.3592 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, 146, 131) }
```

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

```
.border{ border-color:rgb(59, 146, 131) }
```

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

Here you see how a box with a 4 pixel rgb(59, 146, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 146, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 146, 131);  
box-shadow:4px 4px 4px 4px rgb(59, 146,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1263, 0.2513, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 146, 131) }
```

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

```
.background{ background-color: rgb(59, 146,  
131) }
```

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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