

Converting Colors

$Y_{xy}(22.9298, 0.2457, 0.3419)$

Have a look what the booklet for
Yxy(22.9298, 0.2457, 0.3419)
contains.

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Color

Yxy(23.0156, 0.2460, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	3B918A
RGB	59, 145, 138
RGB Percent	23%, 57%, 54%
CMY	0.7685, 0.4314, 0.4589
CMYK	0.59, 0.00, 0.05, 0.43
HSL	175°, 42%, 40%
HSV	175°, 59%, 57%
XYZ	16.5164, 23.0156, 27.6080
YIQ	118.4880, -49.0090, -20.4090

Conversions

Conversions Part 2

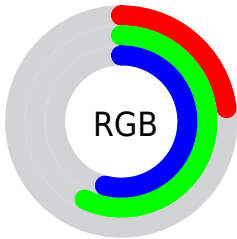
Format	Color
R_{YB}	59, 104, 145
Decimal	3903882
CIE _{Lab}	55.09, -27.40, -4.02
CIE _{LCh}	55, 27.693, 188.348
Yxy	23.0156, 0.2460, 0.3428
Android (android.graphics.Color)	4282093962 (0xFF3B918A)
YUV	118.4880, 9.6194, -52.1710
Hunter-Lab	47.9746, -22.5024, -0.5375

Details

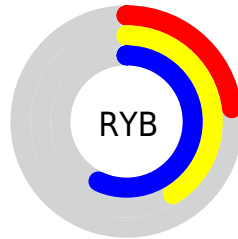
The Yxy color **23.0156, 0.2460, 0.3428** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5453, 0.4738, 0.3179**, and the grayscale version is **18.2612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2533, 0.2602, 0.3403**, and **8.7100, 0.2298, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **22.5989, 0.2398, 0.3455**, and if you desaturate by 10%, it is **23.5576, 0.2539, 0.3402**.

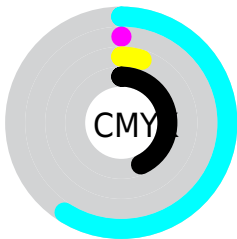
Distribution



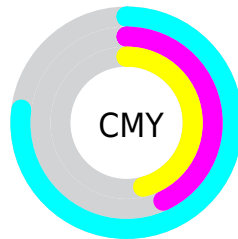
- Red (23%)
- Green (57%)
- Blue (54%)



- Red (23%)
- Yellow (41%)
- Blue (57%)



- Cyan (59%)
- Magenta (0%)
- Yellow (5%)
- Black (43%)





- Cyan (77%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0156, 0.2460, 0.3428 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 23.0156, 0.2460, 0.3428 by changing the saturation by 10% instead.


 23.0156, 0.2460,
0.3428


 23.0156, 0.2460,
0.3428


267.8051, 0.2827,
0.3357

 14.6050, 0.2356,
0.3446


 48.4189, 0.2603,
0.3402


 8.5427, 0.2213,
0.3469


 66.1805, 0.2653,
0.3392


 4.4441, 0.2008,
0.3498

 87.8278, 0.2695,
0.3384

 1.9250, 0.1690,
0.3532

 113.7454, 0.2730,
0.3377

 0.5633, 0.0000,
0.3864

 144.3175, 0.2760,
0.3371

 0.0000, 0.0000,
0.0000

179.9285, 0.2786,

0.3365

220.9629, 0.2808,
0.3361

■ 23.0156, 0.2460,
0.3428

■ 23.0156, 0.2460,
0.3428

■ 22.5989, 0.2398,
0.3455

■ 23.5576, 0.2539,
0.3402

■ 22.2943, 0.2355,
0.3482

■ 24.2314, 0.2635,
0.3376

■ 22.0905, 0.2329,
0.3509

■ 25.0464, 0.2745,
0.3352

■ 21.9581, 0.2317,
0.3536

■ 26.0102, 0.2867,
0.3329

■ 21.9491, 0.2316,
0.3538

■ 27.1300, 0.2999,
0.3308

■ 28.4124, 0.3137,
0.3289

■ 29.8639, 0.3279,
0.3271

■ 31.4902, 0.3423,
0.3255

■ 33.2971, 0.3567,
0.3242

Harmonies

Analogous

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



23.0156, 0.2843, 0.3892



23.0156, 0.2460, 0.3428



23.0156, 0.2258, 0.2962

Triad

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



23.0156, 0.2460, 0.3428



23.0156, 0.2874, 0.2567



23.0156, 0.4056, 0.3868

Complementary

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



23.0156, 0.2460, 0.3428



9.5453, 0.4738, 0.3179

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.



23.0156, 0.4082, 0.3497



23.0156, 0.2460, 0.3428



23.0156, 0.3368, 0.2782

Square

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



23.0156, 0.2460, 0.3428



23.0156, 0.2482, 0.2511



23.0156, 0.3824, 0.3111



23.0156, 0.3770, 0.4127

Rectangle

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



23.0156, 0.2460, 0.3428



23.0156, 0.2240, 0.2727



23.0156, 0.3824, 0.3111



23.0156, 0.4097, 0.3751

Sweetspot

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



23.0165, 0.2460, 0.3428



46.7505, 0.2879, 0.3327



21.7325, 0.3097, 0.5107



10.2917, 0.2846, 0.3333



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.



23.0165, 0.2460, 0.3428



40.2752, 0.2383, 0.3464



13.9513, 0.2248, 0.2528



6.1088, 0.3001, 0.3308



18.8278, 0.2316, 0.3536



0.1815, 0.2279, 0.3402

Inverse Universe

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



9.5453, 0.4738, 0.3179



13.8761, 0.5321, 0.3177



14.4940, 0.4459, 0.3906



5.4308, 0.3269, 0.3272



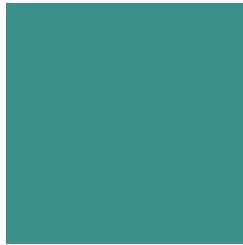
5.1876, 0.6277, 0.3232



0.0507, 0.5752, 0.2942

Previews

White Background



This preview shows how the Yxy color 23.0156, 0.2460, 0.3428 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 23.0156, 0.2460, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

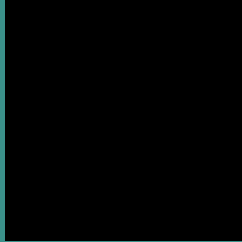
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0156, 0.2460, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 23.0156, 0.2460, 0.3428.



This preview shows how white text looks on a background with the Yxy color 23.0156, 0.2460, 0.3428.

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

23.0156, 0.2460, 0.3428

Protanopia

22.6186, 0.3185, 0.3308

Deuteranopia

22.6207, 0.3104, 0.3037



Tritanopia

23.1363, 0.2383, 0.3079

Trichromacy



Original Color

23.0156, 0.2460, 0.3428

Protanomaly

22.1197, 0.2857, 0.3346

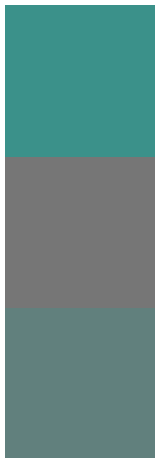
Deuteranomaly

22.2883, 0.2803, 0.3161

Tritanomaly

23.1414, 0.2410, 0.3211

Monochromacy



Original Color

23.0156, 0.2460, 0.3428

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.4604, 0.2814, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0156, 0.2460, 0.3428 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, 145, 138)` looks like.

```
.text, #text, p{  
    color:rgb(59, 145, 138)  
}
```

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, 145, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 145, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.0156, 0.2460, 0.3428 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, 145, 138) }
```

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

```
.border{ border-color:rgb(59, 145, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 145, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 145, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 145, 138);  
box-shadow:4px 4px 4px 4px rgb(59, 145,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0156, 0.2460, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 145, 138) }
```

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

```
.background{ background-color: rgb(59, 145,  
138) }
```

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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