

Converting Colors

$Y_{xy}(23.1764, 0.2503, 0.3351)$

Have a look what the booklet for
Yxy(23.1764, 0.2503, 0.3351)
contains.

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Color

Yxy(23.1717, 0.2500, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	46908D
RGB	70, 144, 141
RGB Percent	27%, 56%, 55%
CMY	0.7253, 0.4353, 0.4471
CMYK	0.51, 0.00, 0.02, 0.44
HSL	178°, 35%, 42%
HSV	178°, 51%, 56%
XYZ	17.3078, 23.1717, 28.7517
YIQ	121.5320, -43.1410, -16.6210

Conversions

Conversions Part 2

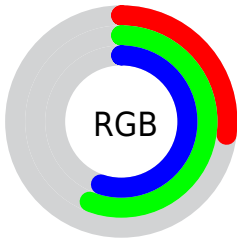
Format	Color
R_{YB}	70, 108, 144
Decimal	4624525
CIE _{Lab}	55.25, -23.70, -5.47
CIE _{LCh}	55, 24.326, 192.991
Yxy	23.1717, 0.2500, 0.3347
Android (android.graphics.Color)	4282814605 (0xFF46908D)
YUV	121.5320, 9.5977, -45.1936
Hunter-Lab	48.1370, -20.0595, -1.7174

Details

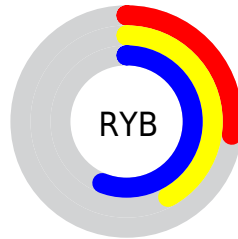
The Yxy color **23.1717, 0.2500, 0.3347** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7971, 0.4473, 0.3241**, and the grayscale version is **19.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6134, 0.2628, 0.3331**, and **8.5905, 0.2267, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **22.6819, 0.2421, 0.3360**, and if you desaturate by 10%, it is **23.7918, 0.2596, 0.3335**.

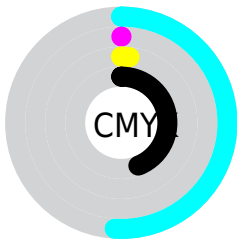
Distribution



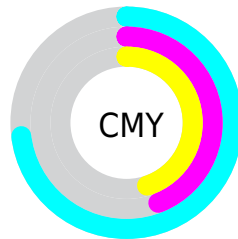
- Red (27%)
- Green (56%)
- Blue (55%)



- Red (27%)
- Yellow (42%)
- Blue (56%)



- Cyan (51%)
- Magenta (0%)
- Yellow (2%)
- Black (44%)





- Cyan (73%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1717, 0.2500, 0.3347 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 23.1717, 0.2500, 0.3347 by changing the saturation by 10% instead.


 23.1717, 0.2500,
0.3347


 23.1717, 0.2500,
0.3347


268.6057, 0.2845,
0.3321


 14.7203, 0.2402,
0.3352


 48.6751, 0.2634,
0.3339


 8.6234, 0.2269,
0.3356


 66.4959, 0.2681,
0.3335

 4.4963, 0.2077,
0.3357

 88.2087, 0.2720,
0.3332

 1.9549, 0.1780,
0.3348

 114.1978, 0.2753,
0.3329

 0.5811, 0.0000,
0.3639

 144.8477, 0.2781,
0.3327

 0.0000, 0.0000,
0.0000

180.5427, 0.2805,

0.3325

221.6672, 0.2826,
0.3323

■ 23.1717, 0.2500,
0.3347

■ 23.1717, 0.2500,
0.3347

■ 22.6819, 0.2421,
0.3360

■ 23.7918, 0.2596,
0.3335

■ 22.3105, 0.2361,
0.3373

■ 24.5479, 0.2707,
0.3323

■ 22.0477, 0.2319,
0.3386

■ 25.4487, 0.2831,
0.3311

■ 21.8810, 0.2293,
0.3399

■ 26.5013, 0.2965,
0.3301

■ 21.7848, 0.2281,
0.3410

■ 27.7122, 0.3107,
0.3291

■ 29.0879, 0.3255,
0.3283

■ 30.6341, 0.3405,
0.3275

■ 32.3565, 0.3555,
0.3268

■ 34.2606, 0.3704,
0.3262

Harmonies

Analogous

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



23.1717, 0.2820, 0.3758



23.1717, 0.2500, 0.3347



23.1717, 0.2346, 0.2953

Triad

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



23.1717, 0.2500, 0.3347



23.1717, 0.2970, 0.2669



23.1717, 0.3919, 0.3849

Complementary

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



23.1717, 0.2500, 0.3347



10.7971, 0.4473, 0.3241

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.



23.1717, 0.3977, 0.3533



23.1717, 0.2500, 0.3347



23.1717, 0.3407, 0.2880

Square

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



23.1717, 0.2500, 0.3347



23.1717, 0.2603, 0.2597



23.1717, 0.3786, 0.3187



23.1717, 0.3642, 0.4044

Rectangle

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



23.1717, 0.2500, 0.3347



23.1717, 0.2350, 0.2759



23.1717, 0.3786, 0.3187



23.1717, 0.3965, 0.3752

Sweetspot

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



23.1726, 0.2500, 0.3347



45.9765, 0.2911, 0.3305



21.8347, 0.3085, 0.4852



10.4629, 0.2885, 0.3307



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.



23.1726, 0.2500, 0.3347



39.8650, 0.2408, 0.3362



14.6252, 0.2345, 0.2595



6.1126, 0.2996, 0.3299



18.9717, 0.2280, 0.3409



0.1821, 0.2262, 0.3344

Inverse Universe

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



10.7971, 0.4473, 0.3241



15.4452, 0.4989, 0.3237



16.1372, 0.4202, 0.3877



5.4274, 0.3275, 0.3281



5.1754, 0.6338, 0.3265



0.0500, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 23.1717, 0.2500, 0.3347 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 23.1717, 0.2500, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

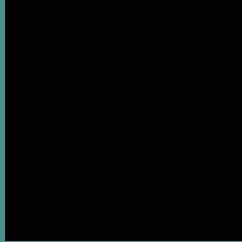
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1717, 0.2500, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 23.1717, 0.2500, 0.3347.

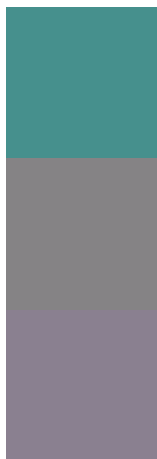


This preview shows how white text looks on a background with the Yxy color 23.1717, 0.2500, 0.3347.

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

23.1717, 0.2500, 0.3347

Protanopia

22.9126, 0.3129, 0.3255

Deuteranopia

22.8552, 0.3071, 0.3021



Tritanopia

23.1349, 0.2427, 0.3063

Trichromacy



Original Color

23.1717, 0.2500, 0.3347

Protanomaly

22.7009, 0.2851, 0.3289

Deuteranomaly

22.5441, 0.2814, 0.3127

Tritanomaly

23.2313, 0.2458, 0.3174

Monochromacy



Original Color

23.1717, 0.2500, 0.3347

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4338, 0.2840, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1717, 0.2500, 0.3347 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(70, 144, 141)` looks like.

```
.text, #text, p{  
    color:rgb(70, 144, 141)  
}
```

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(70, 144, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 144, 141) }
```

Border

The CSS property to change the border of an element to Yxy 23.1717, 0.2500, 0.3347 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(70, 144, 141) }
```

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

```
.border{ border-color:rgb(70, 144, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 144, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 144, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 144, 141);  
box-shadow:4px 4px 4px 4px rgb(70, 144,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1717, 0.2500, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 144, 141) }
```

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

```
.background{ background-color: rgb(70, 144,  
141) }
```

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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