

Converting Colors

$Y_{xy}(23.1614, 0.2468, 0.3298)$

Have a look what the booklet for
Yxy(23.1614, 0.2468, 0.3298)
contains.

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Color

Yxy(23.1586, 0.2473, 0.3308)

Conversions

Conversions Part 1

Format	Color
Hex	44908F
RGB	68, 144, 143
RGB Percent	27%, 56%, 56%
CMY	0.7334, 0.4353, 0.4393
CMYK	0.53, 0.00, 0.01, 0.44
HSL	179°, 36%, 42%
HSV	179°, 53%, 56%
XYZ	17.3129, 23.1586, 29.5363
YIQ	121.1620, -44.9750, -16.4230

Conversions

Conversions Part 2

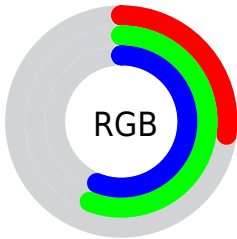
Format	Color
R _{YB}	68, 106, 144
Decimal	4493455
CIE Lab	55.24, -23.62, -6.65
CIE LCh	55, 24.536, 195.722
Yxy	23.1586, 0.2473, 0.3308
Android (android.graphics.Color)	4282683535 (0xFF44908F)
YUV	121.1620, 10.7661, -46.6231
Hunter-Lab	48.1234, -19.9985, -2.7036

Details

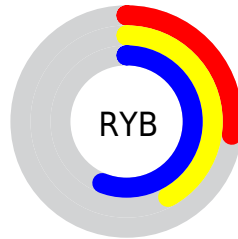
The Yxy color **23.1586, 0.2473, 0.3308** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4922, 0.4573, 0.3277**, and the grayscale version is **19.1499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6303, 0.2610, 0.3302**, and **8.6190, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **22.6980, 0.2395, 0.3312**, and if you desaturate by 10%, it is **23.7482, 0.2568, 0.3304**.

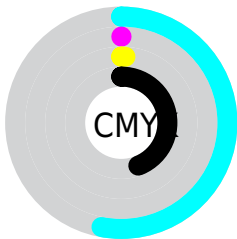
Distribution



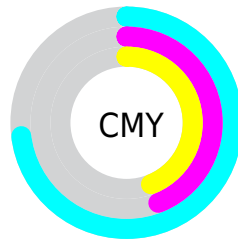
- Red (27%)
- Green (56%)
- Blue (56%)



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



- Cyan (53%)
- Magenta (0%)
- Yellow (1%)
- Black (44%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1586, 0.2473, 0.3308 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 23.1586, 0.2473, 0.3308 by changing the saturation by 10% instead.


 23.1586, 0.2473,
0.3308


 23.1586, 0.2473,
0.3308


268.5386, 0.2832,
0.3305

 14.7107, 0.2372,
0.3306


 48.6536, 0.2612,
0.3309


 8.6166, 0.2234,
0.3300


 66.4695, 0.2661,
0.3309


 4.4919, 0.2036,
0.3286

 88.1768, 0.2702,
0.3308

 1.9524, 0.1732,
0.3250

 114.1599, 0.2736,
0.3308

 0.5796, 0.0000,
0.3447

 144.8032, 0.2766,
0.3307

 0.0000, 0.0000,
0.0000

180.4912, 0.2791,

0.3306

221.6082, 0.2813,
0.3306

■ 23.1586, 0.2473,
0.3308

■ 23.1586, 0.2473,
0.3308

■ 22.6980, 0.2395,
0.3312

■ 23.7482, 0.2568,
0.3304

■ 22.3543, 0.2336,
0.3316

■ 24.4726, 0.2679,
0.3300

■ 22.1174, 0.2294,
0.3320

■ 25.3405, 0.2804,
0.3297

■ 21.9746, 0.2270,
0.3324

■ 26.3591, 0.2941,
0.3294

■ 21.9034, 0.2258,
0.3327

■ 27.5351, 0.3086,
0.3291

■ 28.8749, 0.3236,
0.3288

■ 30.3843, 0.3390,
0.3286

■ 32.0692, 0.3545,
0.3284

■ 33.9348, 0.3699,
0.3282

Harmonies

Analogous

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



23.1586, 0.2783, 0.3729



23.1586, 0.2473, 0.3308



23.1586, 0.2335, 0.2919

Triad

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



23.1586, 0.2473, 0.3308



23.1586, 0.3008, 0.2678



23.1586, 0.3908, 0.3878

Complementary

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



23.1586, 0.2473, 0.3308



10.4922, 0.4573, 0.3277

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.



23.1586, 0.3989, 0.3567



23.1586, 0.2473, 0.3308



23.1586, 0.3449, 0.2901

Square

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



23.1586, 0.2473, 0.3308



23.1586, 0.2626, 0.2591



23.1586, 0.3819, 0.3217



23.1586, 0.3613, 0.4059

Rectangle

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



23.1586, 0.2473, 0.3308



23.1586, 0.2350, 0.2733



23.1586, 0.3819, 0.3217



23.1586, 0.3962, 0.3784

Sweetspot

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



23.1595, 0.2473, 0.3308



45.8200, 0.2891, 0.3295



21.6401, 0.3061, 0.4911



10.4318, 0.2866, 0.3295



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.



23.1595, 0.2473, 0.3308



39.9263, 0.2385, 0.3313



13.8126, 0.2314, 0.2516



6.1151, 0.2992, 0.3293



19.0724, 0.2258, 0.3327



0.1826, 0.2252, 0.3306

Inverse Universe

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



10.4922, 0.4573, 0.3277



15.1468, 0.5089, 0.3277



16.3951, 0.4216, 0.3935



5.4252, 0.3279, 0.3287



5.1673, 0.6380, 0.3288



0.0496, 0.6280, 0.3233

Previews

White Background



This preview shows how the Yxy color 23.1586, 0.2473, 0.3308 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 23.1586, 0.2473, 0.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

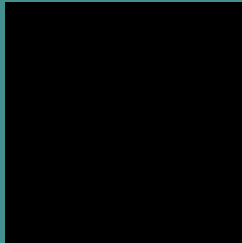
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1586, 0.2473, 0.3308

Background



This preview shows how black text looks on a background with the Yxy color 23.1586, 0.2473, 0.3308.



This preview shows how white text looks on a background with the Yxy color 23.1586, 0.2473, 0.3308.

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

23.1586, 0.2473, 0.3308

Protanopia

22.9684, 0.3108, 0.3221

Deuteranopia

22.8320, 0.3038, 0.2987



Tritanopia

23.0568, 0.2414, 0.3062

Trichromacy



Original Color

23.1586, 0.2473, 0.3308

Protanomaly

22.6945, 0.2823, 0.3252

Deuteranomaly

22.5393, 0.2786, 0.3091

Tritanomaly

23.1865, 0.2439, 0.3155

Monochromacy



Original Color

23.1586, 0.2473, 0.3308

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.1103, 0.2828, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1586, 0.2473, 0.3308 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(68, 144, 143)` looks like.

```
.text, #text, p{  
    color:rgb(68, 144, 143)  
}
```

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(68, 144, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 144, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.1586, 0.2473, 0.3308 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(68, 144, 143) }
```

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

```
.border{ border-color:rgb(68, 144, 143) }
```

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

Here you see how a box with a 4 pixel rgb(68, 144, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 144, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 144, 143);  
box-shadow:4px 4px 4px 4px rgb(68, 144,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1586, 0.2473, 0.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 144, 143) }
```

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

```
.background{ background-color: rgb(68, 144,  
143) }
```

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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