

Converting Colors

$Y_{xy}(23.4383, 0.3423, 0.3764)$

Have a look what the booklet for
Yxy(23.4383, 0.3423, 0.3764)
contains.

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Color

Yxy(23.5616, 0.3416, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	87876C
RGB	135, 135, 108
RGB Percent	53%, 53%, 42%
CMY	0.4706, 0.4706, 0.5765
CMYK	0.00, 0.00, 0.20, 0.47
HSL	60°, 11%, 48%
HSV	60°, 20%, 53%
XYZ	21.3605, 23.5616, 17.6087
YIQ	131.9220, 8.6670, -8.3970

Conversions

Conversions Part 2

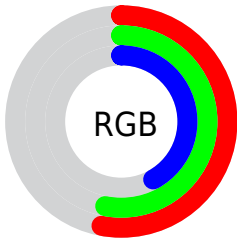
Format	Color
R_YB	108, 135, 108
Decimal	8882028
CIE Lab	55.65, -4.83, 14.56
CIE LCh	56, 15.343, 108.343
Yxy	23.5616, 0.3416, 0.3768
Android (android.graphics.Color)	4287072108 (0xFF87876C)
YUV	131.9220, -11.7935, 2.6994
Hunter-Lab	48.5403, -6.3953, 12.4699

Details

The Yxy color **23.5616, 0.3416, 0.3768** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6639, 0.2809, 0.2763**, and the grayscale version is **23.0855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1959, 0.3347, 0.3654**, and **8.7545, 0.3531, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **23.2961, 0.3562, 0.4009**, and if you desaturate by 10%, it is **23.8737, 0.3270, 0.3526**.

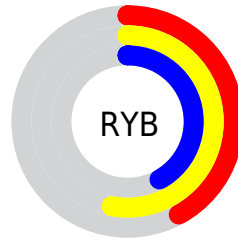
Distribution



Red (53%)

Green (53%)

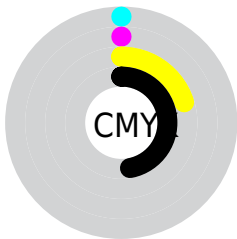
Blue (42%)



Red (42%)

Yellow (53%)

Blue (42%)

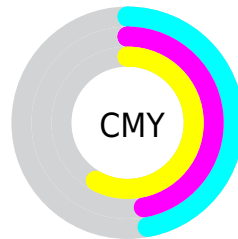


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5616, 0.3416, 0.3768 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 23.5616, 0.3416, 0.3768 by changing the saturation by 10% instead.

■ 23.5616, 0.3416,
0.3768

■ 23.5616, 0.3416,
0.3768

270.5965, 0.3257,
0.3499

■ 15.0087, 0.3461,
0.3847

■ 49.3138, 0.3355,
0.3662

■ 8.8255, 0.3522,
0.3957

■ 67.2820, 0.3333,
0.3625

■ 4.6275, 0.3608,
0.4120

■ 89.1574, 0.3315,
0.3594

■ 2.0304, 0.3741,
0.4385

■ 115.3244, 0.3299,
0.3569

■ 0.6251, 0.4324,
0.5676

146.1674, 0.3287,
0.3548

■ 0.0000, 0.0000,
0.0000

182.0709, 0.3275,

0.3529

223.4191, 0.3266,
0.3513

■ 23.5616, 0.3416,
0.3768

■ 23.5616, 0.3416,
0.3768

■ 23.2961, 0.3562,
0.4009

■ 23.8737, 0.3270,
0.3526

■ 23.0721, 0.3703,
0.4242

■ 24.2312, 0.3127,
0.3290

■ 22.8883, 0.3833,
0.4459

■ 24.6369, 0.2991,
0.3064

■ 22.7424, 0.3948,
0.4649

■ 25.0925, 0.2863,
0.2852

■ 22.6317, 0.4043,
0.4807

■ 25.5997, 0.2743,
0.2655

■ 22.5533, 0.4115,
0.4925

■ 26.1600, 0.2634,
0.2474

■ 22.5036, 0.4162,
0.5004

■ 26.7749, 0.2534,
0.2309

■ 22.4722, 0.4192,
0.5054

■ 27.4458, 0.2443,
0.2159

■ 28.1741, 0.2361,
0.2023

Harmonies

Analogous

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



23.5616, 0.3604, 0.3680



23.5616, 0.3416, 0.3768



23.5616, 0.3155, 0.3718

Triad

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



23.5616, 0.3416, 0.3768



23.5616, 0.2620, 0.3048



23.5616, 0.3353, 0.3059

Complementary

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



23.5616, 0.3416, 0.3768



15.6639, 0.2809, 0.2763

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.



23.5616, 0.3081, 0.2906



23.5616, 0.3416, 0.3768



23.5616, 0.2666, 0.2891

Square

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



23.5616, 0.3416, 0.3768



23.5616, 0.2701, 0.3285



23.5616, 0.2831, 0.2843



23.5616, 0.3570, 0.3271

Rectangle

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



23.5616, 0.3416, 0.3768



23.5616, 0.2977, 0.3609



23.5616, 0.2831, 0.2843



23.5616, 0.3264, 0.3000

Sweetspot

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



23.5626, 0.3416, 0.3768



42.9852, 0.3214, 0.3434



16.9591, 0.3505, 0.3291



9.9470, 0.3222, 0.3447



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.5626, 0.3416, 0.3768



41.9646, 0.3482, 0.3878



22.5144, 0.3256, 0.3793



5.4228, 0.3257, 0.3505



20.7195, 0.4192, 0.5054



0.0718, 0.4193, 0.5053

Inverse Universe

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



15.6639, 0.2809, 0.2763



25.1546, 0.2726, 0.2626



16.5758, 0.2975, 0.2788



4.5447, 0.2992, 0.3066



1.6138, 0.1501, 0.0600



0.0056, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 23.5616, 0.3416, 0.3768 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 23.5616, 0.3416, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

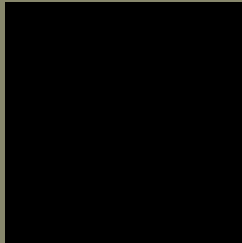
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

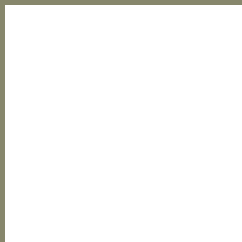
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5616, 0.3416, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 23.5616, 0.3416, 0.3768.



This preview shows how white text looks on a background with the Yxy color 23.5616, 0.3416, 0.3768.

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

23.5616, 0.3416, 0.3768

Protanopia

23.4993, 0.3507, 0.3741

Deuteranopia

23.4125, 0.3665, 0.3605



Tritanopia

23.6447, 0.3112, 0.3122

Trichromacy



Original Color

23.5616, 0.3416, 0.3768

Protanomaly

23.6007, 0.3479, 0.3762

Deuteranomaly

23.5398, 0.3565, 0.3664

Tritanomaly

23.4908, 0.3229, 0.3342

Monochromacy



Original Color

23.5616, 0.3416, 0.3768

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1917, 0.3234, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5616, 0.3416, 0.3768 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(135, 135, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 108)  
}
```

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(135, 135, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.5616, 0.3416, 0.3768 is called "border". The border property can be set on classes, ids or directly on the HTML element.

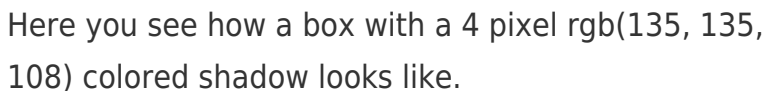
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 135, 108) }
```

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

```
.border{ border-color:rgb(135, 135, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 135, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 135, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 135, 108); box-shadow:4px 4px 4px 4px rgb(135, 135, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5616, 0.3416, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 108) }
```

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

```
.background{ background-color: rgb(135,  
135, 108) }
```

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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