

Converting Colors

$Y_{xy}(23.6596, 0.3397, 0.3758)$

Have a look what the booklet for
Yxy(23.6596, 0.3397, 0.3758)
contains.

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Color

Yxy(23.5004, 0.3393, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	86876D
RGB	134, 135, 109
RGB Percent	53%, 53%, 43%
CMY	0.4746, 0.4705, 0.5726
CMYK	0.01, 0.00, 0.19, 0.47
HSL	62°, 11%, 48%
HSV	62°, 19%, 53%
XYZ	21.2518, 23.5004, 17.8821
YIQ	131.7370, 7.7500, -8.2980

Conversions

Conversions Part 2

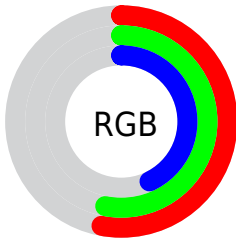
Format	Color
R_{YB}	109, 135, 110
Decimal	8816493
CIE Lab	55.58, -5.08, 13.90
CIE LCh	56, 14.794, 110.072
Yxy	23.5004, 0.3393, 0.3752
Android (android.graphics.Color)	4287006573 (0xFF86876D)
YUV	131.7370, -11.2093, 1.9847
Hunter-Lab	48.4772, -6.5829, 12.0634

Details

The Yxy color **23.5004, 0.3393, 0.3752** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.0033, 0.2834, 0.2786**, and the grayscale version is **23.0126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1044, 0.3331, 0.3642**, and **8.7187, 0.3497, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **23.1883, 0.3532, 0.3996**, and if you desaturate by 10%, it is **23.8595, 0.3254, 0.3509**.

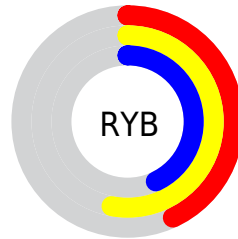
Distribution



Red (53%)

Green (53%)

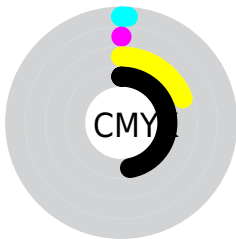
Blue (43%)



Red (43%)

Yellow (53%)

Blue (43%)

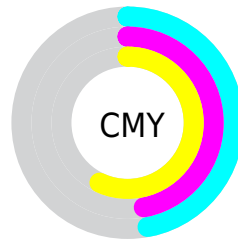


Cyan (1%)

Magenta (0%)

Yellow (19%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5004, 0.3393, 0.3752 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 23.5004, 0.3393, 0.3752 by changing the saturation by 10% instead.

■ 23.5004, 0.3393,
0.3752

■ 23.5004, 0.3393,
0.3752

■ 270.2848, 0.3247,
0.3492

■ 14.9634, 0.3434,
0.3829

■ 49.2137, 0.3336,
0.3649

■ 8.7937, 0.3490,
0.3936

■ 67.1588, 0.3316,
0.3613

■ 4.6069, 0.3570,
0.4094

■ 89.0087, 0.3300,
0.3584

■ 2.0185, 0.3691,
0.4353

■ 115.1479, 0.3286,
0.3559

■ 0.6182, 0.4286,
0.5714

■ 145.9607, 0.3274,
0.3539

■ 0.0000, 0.0000,
0.0000

181.8315, 0.3264,

0.3521

223.1448, 0.3255,
0.3505

■ 23.5004, 0.3393,
0.3752

■ 23.5004, 0.3393,
0.3752

■ 23.1883, 0.3532,
0.3996

■ 23.8595, 0.3254,
0.3509

■ 22.9179, 0.3667,
0.4235

■ 24.2644, 0.3117,
0.3273

■ 22.6883, 0.3791,
0.4458

■ 24.7179, 0.2987,
0.3049

■ 22.4970, 0.3901,
0.4658

■ 25.2216, 0.2865,
0.2839

■ 22.3413, 0.3991,
0.4826

■ 25.7773, 0.2751,
0.2644

■ 22.2183, 0.4057,
0.4955

■ 26.3864, 0.2646,
0.2466

■ 22.1245, 0.4100,
0.5044

■ 27.0504, 0.2550,
0.2303

■ 22.0508, 0.4124,
0.5102

■ 27.7708, 0.2462,
0.2156

■ 22.0455, 0.4125,
0.5106

■ 28.5489, 0.2383,
0.2022

Harmonies

Analogous

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



23.5004, 0.3580, 0.3675



23.5004, 0.3393, 0.3752



23.5004, 0.3139, 0.3696

Triad

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



23.5004, 0.3393, 0.3752



23.5004, 0.2636, 0.3046



23.5004, 0.3359, 0.3078

Complementary

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



23.5004, 0.3393, 0.3752



16.0033, 0.2834, 0.2786

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.



23.5004, 0.3098, 0.2925



23.5004, 0.3393, 0.3752



23.5004, 0.2688, 0.2899

Square

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



23.5004, 0.3393, 0.3752



23.5004, 0.2708, 0.3272



23.5004, 0.2854, 0.2859



23.5004, 0.3563, 0.3284

Rectangle

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



23.5004, 0.3393, 0.3752



23.5004, 0.2968, 0.3586



23.5004, 0.2854, 0.2859



23.5004, 0.3275, 0.3019

Sweetspot

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



23.5014, 0.3393, 0.3752



42.9370, 0.3210, 0.3434



17.3781, 0.3485, 0.3307



9.9348, 0.3218, 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.



23.5014, 0.3393, 0.3752



41.8301, 0.3452, 0.3856



22.5105, 0.3242, 0.3775



5.4138, 0.3251, 0.3505



20.3259, 0.4126, 0.5106



0.0712, 0.4162, 0.5078

Inverse Universe

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



16.0033, 0.2834, 0.2786



25.9225, 0.2760, 0.2660



16.8872, 0.2993, 0.2809



4.5528, 0.2997, 0.3066



1.6467, 0.1519, 0.0610



0.0062, 0.1603, 0.0657

Previews

White Background



This preview shows how the Yxy color 23.5004, 0.3393, 0.3752 looks on a white background.

Color Contrast Check

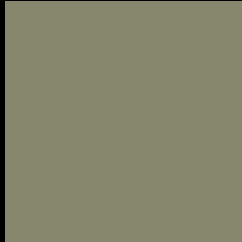
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5004, 0.3393, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

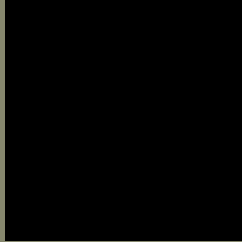
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5004, 0.3393, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 23.5004, 0.3393, 0.3752.



This preview shows how white text looks on a background with the Yxy color 23.5004, 0.3393, 0.3752.

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

23.5004, 0.3393, 0.3752

Protanopia

23.5205, 0.3496, 0.3724

Deuteranopia

23.4342, 0.3653, 0.3588



Tritanopia

23.5590, 0.3101, 0.3121

Trichromacy



Original Color

23.5004, 0.3393, 0.3752

Protanomaly

23.5362, 0.3456, 0.3746

Deuteranomaly

23.5614, 0.3554, 0.3646

Tritanomaly

23.4059, 0.3217, 0.3342

Monochromacy



Original Color

23.5004, 0.3393, 0.3752

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2168, 0.3223, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5004, 0.3393, 0.3752 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(134, 135, 109)` looks like.

```
.text, #text, p{  
    color:rgb(134, 135, 109)  
}
```

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(134, 135, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 135, 109) }
```

Border

The CSS property to change the border of an element to Yxy 23.5004, 0.3393, 0.3752 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(134, 135, 109) }
```

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

```
.border{ border-color:rgb(134, 135, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 135, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 135, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 135, 109);  
box-shadow:4px 4px 4px 4px rgb(134, 135,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5004, 0.3393, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 135, 109) }
```

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

```
.background{ background-color: rgb(134,  
135, 109) }
```

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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