

Converting Colors

$Y_{xy}(23.4944, 0.3345, 0.3635)$

Have a look what the booklet for
Yxy(23.4944, 0.3345, 0.3635)
contains.

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Color

Yxy(23.4389, 0.3343, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	878673
RGB	135, 134, 115
RGB Percent	53%, 53%, 45%
CMY	0.4704, 0.4745, 0.5490
CMYK	0.00, 0.01, 0.15, 0.47
HSL	57°, 8%, 49%
HSV	57°, 15%, 53%
XYZ	21.6155, 23.4389, 19.6046
YIQ	132.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

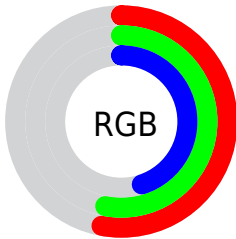
Format	Color
R_{YB}	116, 135, 115
Decimal	8881779
CIE _{Lab}	55.52, -3.09, 10.38
CIE _{LCh}	56, 10.827, 106.563
Yxy	23.4389, 0.3343, 0.3625
Android (android.graphics.Color)	4287071859 (0xFF878673)
YUV	132.1330, -8.4466, 2.5144
Hunter-Lab	48.4137, -5.0283, 9.8808

Details

The Yxy color **23.4389, 0.3343, 0.3625** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.8962, 0.2899, 0.2931**, and the grayscale version is **23.1563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0220, 0.3293, 0.3549**, and **8.6772, 0.3422, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **22.9578, 0.3494, 0.3856**, and if you desaturate by 10%, it is **23.9689, 0.3196, 0.3397**.

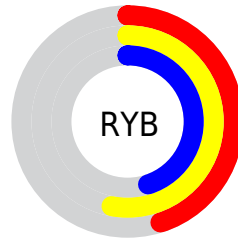
Distribution



Red (53%)

Green (53%)

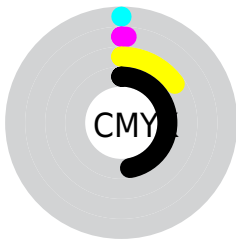
Blue (45%)



Red (45%)

Yellow (53%)

Blue (45%)

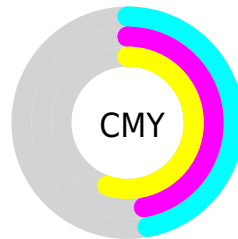


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4389, 0.3343, 0.3625 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 23.4389, 0.3343, 0.3625 by changing the saturation by 10% instead.


 23.4389, 0.3343,
0.3625


 23.4389, 0.3343,
0.3625


269.9713, 0.3224,
0.3437


 14.9179, 0.3377,
0.3680


 49.1130, 0.3296,
0.3551

 8.7618, 0.3424,
0.3757


 67.0349, 0.3280,
0.3525

 4.5861, 0.3493,
0.3872

 88.8593, 0.3266,
0.3504

 2.0065, 0.3601,
0.4059

114.9704, 0.3255,
0.3486

 0.6113, 0.4527,
0.5473

145.7528, 0.3245,
0.3471

 0.0000, 0.0000,
0.0000

181.5909, 0.3237,

0.3458

222.8689, 0.3230,
0.3447

■ 23.4389, 0.3343,
0.3625

■ 23.4389, 0.3343,
0.3625

■ 22.9578, 0.3494,
0.3856

■ 23.9689, 0.3196,
0.3397

■ 22.5205, 0.3644,
0.4085

■ 24.5466, 0.3056,
0.3178

■ 22.1260, 0.3789,
0.4303

■ 25.1747, 0.2924,
0.2971

■ 21.7719, 0.3924,
0.4501

■ 25.8549, 0.2801,
0.2777

■ 21.4558, 0.4043,
0.4672

■ 26.5888, 0.2689,
0.2599

■ 21.1747, 0.4140,
0.4807

■ 27.3779, 0.2586,
0.2435

■ 20.9256, 0.4214,
0.4902

■ 28.2237, 0.2493,
0.2285

■ 20.7040, 0.4263,
0.4957

■ 29.1275, 0.2409,
0.2150

■ 20.5938, 0.4284,
0.4980

■ 30.0908, 0.2333,
0.2027

Harmonies

Analogous

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



23.4389, 0.3470, 0.3563



23.4389, 0.3343, 0.3625



23.4389, 0.3161, 0.3593

Triad

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



23.4389, 0.3343, 0.3625



23.4389, 0.2765, 0.3131



23.4389, 0.3277, 0.3117

Complementary

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



23.4389, 0.3343, 0.3625



17.8962, 0.2899, 0.2931

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.



23.4389, 0.3085, 0.3009



23.4389, 0.3343, 0.3625



23.4389, 0.2794, 0.3012

Square

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



23.4389, 0.3343, 0.3625



23.4389, 0.2830, 0.3300



23.4389, 0.2909, 0.2970



23.4389, 0.3432, 0.3269

Rectangle

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



23.4389, 0.3343, 0.3625



23.4389, 0.3033, 0.3521



23.4389, 0.2909, 0.2970



23.4389, 0.3214, 0.3075

Sweetspot

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



23.4399, 0.3343, 0.3625



42.9732, 0.3185, 0.3381



18.6844, 0.3374, 0.3267



9.9364, 0.3195, 0.3396



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.



23.4399, 0.3343, 0.3625



41.6351, 0.3396, 0.3707



23.0384, 0.3239, 0.3654



5.3826, 0.3258, 0.3494



18.9852, 0.4284, 0.4980



0.0689, 0.4235, 0.5019

Inverse Universe

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



17.8962, 0.2899, 0.2931



29.6225, 0.2838, 0.2835



18.2735, 0.3003, 0.2923



4.5806, 0.2992, 0.3078



1.7600, 0.1514, 0.0649



0.0085, 0.1574, 0.0865

Previews

White Background



This preview shows how the Yxy color 23.4389, 0.3343, 0.3625 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 23.4389, 0.3343, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

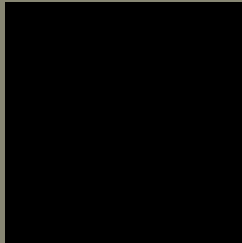
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

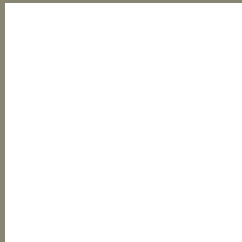
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4389, 0.3343, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 23.4389, 0.3343, 0.3625.

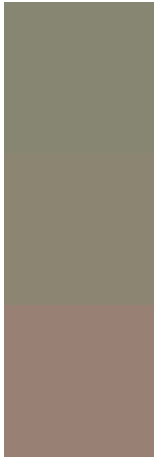


This preview shows how white text looks on a background with the Yxy color 23.4389, 0.3343, 0.3625.

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

23.4389, 0.3343, 0.3625

Protanopia

23.5654, 0.3416, 0.3620

Deuteranopia

23.3747, 0.3557, 0.3490



Tritanopia

23.3773, 0.3113, 0.3105

Trichromacy



Original Color

23.4389, 0.3343, 0.3625

Protanomaly

23.3932, 0.3392, 0.3622

Deuteranomaly

23.3372, 0.3476, 0.3528

Tritanomaly

23.3018, 0.3197, 0.3273

Monochromacy



Original Color

23.4389, 0.3343, 0.3625

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2680, 0.3202, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4389, 0.3343, 0.3625 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, 134, 115)` looks like.

```
.text, #text, p{  
    color:rgb(135, 134, 115)  
}
```

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, 134, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 134, 115) }
```

Border

The CSS property to change the border of an element to Yxy 23.4389, 0.3343, 0.3625 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, 134, 115) }
```

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

```
.border{ border-color:rgb(135, 134, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 134, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 134, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 134, 115);  
box-shadow:4px 4px 4px 4px rgb(135, 134,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4389, 0.3343, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 134, 115) }
```

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

```
.background{ background-color: rgb(135,  
134, 115) }
```

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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