

Converting Colors

$Y_{xy}(23.0007, 0.3213, 0.3355)$

Have a look what the booklet for
Yxy(23.0007, 0.3213, 0.3355)
contains.

Yxy(22.9420, 0.3206, 0.3343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9420, 0.3206, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	878380
RGB	135, 131, 128
RGB Percent	53%, 51%, 50%
CMY	0.4706, 0.4862, 0.4981
CMYK	0.00, 0.03, 0.05, 0.47
HSL	26°, 3%, 52%
HSV	26°, 5%, 53%
XYZ	22.0018, 22.9420, 23.6832
YIQ	131.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

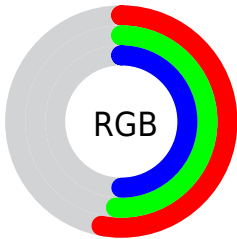
Format	Color
R_{YB}	135, 133, 128
Decimal	8881024
CIE Lab	55.01, 0.91, 2.16
CIE LCh	55, 2.342, 67.009
Yxy	22.9420, 0.3206, 0.3343
Android (android.graphics.Color)	4287071104 (0xFF878380)
YUV	131.8540, -1.9000, 2.7590
Hunter-Lab	47.8978, -1.8274, 4.2124

Details

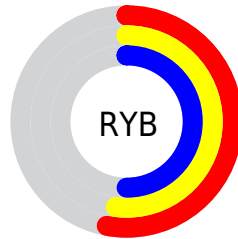
The Yxy color **22.9420, 0.3206, 0.3343** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.8283, 0.3051, 0.3236**, and the grayscale version is **23.0247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3085, 0.3185, 0.3329**, and **8.5304, 0.3229, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **20.6272, 0.3375, 0.3450**, and if you desaturate by 10%, it is **25.4585, 0.3059, 0.3243**.

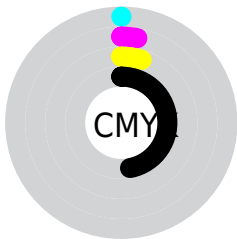
Distribution



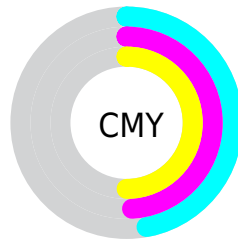
- Red (53%)
- Green (51%)
- Blue (50%)



- Red (53%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9420, 0.3206, 0.3343 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 22.9420, 0.3206, 0.3343 by changing the saturation by 10% instead.

■ 22.9420, 0.3206,
0.3343

■ 22.9420, 0.3206,
0.3343

267.4270, 0.3162,
0.3314

■ 14.5507, 0.3219,
0.3352

■ 48.2981, 0.3189,
0.3331

■ 8.5047, 0.3237,
0.3364

■ 66.0316, 0.3183,
0.3327

■ 4.4195, 0.3264,
0.3381

■ 87.6480, 0.3178,
0.3324

■ 1.9109, 0.3308,
0.3410

113.5317, 0.3173,
0.3321

■ 0.5549, 0.3528,
0.3561

144.0671, 0.3170,
0.3319

■ 0.0000, 0.0000,
0.0000

179.6384, 0.3167,

0.3317

220.6303, 0.3164,
0.3315

■ 22.9420, 0.3206,
0.3343

■ 22.9420, 0.3206,
0.3343

■ 20.6272, 0.3375,
0.3450

■ 25.4585, 0.3059,
0.3243

■ 18.5059, 0.3570,
0.3562

■ 28.1786, 0.2932,
0.3149

■ 16.5738, 0.3791,
0.3676

■ 31.1080, 0.2822,
0.3064

■ 14.8253, 0.4040,
0.3787

■ 34.2513, 0.2727,
0.2985

■ 13.2543, 0.4314,
0.3889

■ 37.6129, 0.2644,
0.2913

■ 11.8547, 0.4606,
0.3970

■ 41.1972, 0.2572,
0.2847

■ 10.6195, 0.4903,
0.4021

■ 45.0082, 0.2509,
0.2787

■ 9.5415, 0.5188,
0.4029

■ 49.0501, 0.2453,
0.2731

■ 8.6116, 0.5442,
0.3989

■ 53.3268, 0.2404,
0.2681

Harmonies

Analogous

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



22.9420, 0.3206, 0.3312



22.9420, 0.3206, 0.3343



22.9420, 0.3185, 0.3360

Triad

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



22.9420, 0.3206, 0.3343



22.9420, 0.3071, 0.3305



22.9420, 0.3105, 0.3223

Complementary

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



22.9420, 0.3206, 0.3343



22.8283, 0.3051, 0.3236

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.



22.9420, 0.3070, 0.3220



22.9420, 0.3206, 0.3343



22.9420, 0.3049, 0.3268

Square

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



22.9420, 0.3206, 0.3343



22.9420, 0.3107, 0.3339



22.9420, 0.3049, 0.3237



22.9420, 0.3147, 0.3242

Rectangle

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



22.9420, 0.3206, 0.3343



22.9420, 0.3162, 0.3362



22.9420, 0.3049, 0.3237



22.9420, 0.3092, 0.3220

Sweetspot

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



22.9430, 0.3206, 0.3343



42.4729, 0.3157, 0.3311



22.2508, 0.3165, 0.3219



9.8503, 0.3155, 0.3309



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.



22.9430, 0.3206, 0.3343



40.6879, 0.3221, 0.3353



23.8706, 0.3201, 0.3402



5.1418, 0.3225, 0.3355



7.5976, 0.5557, 0.3969



0.0404, 0.4890, 0.4499

Inverse Universe

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



22.8283, 0.3051, 0.3236



40.4467, 0.3037, 0.3226



21.9223, 0.3052, 0.3176



5.1101, 0.3033, 0.3224



6.4906, 0.1848, 0.1854



0.0370, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 22.9420, 0.3206, 0.3343 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 22.9420, 0.3206, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

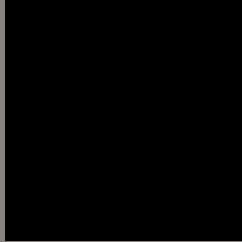
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

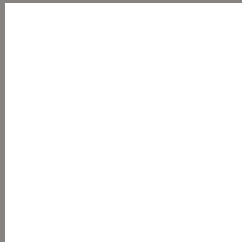
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9420, 0.3206, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 22.9420, 0.3206, 0.3343.



This preview shows how white text looks on a background with the Yxy color 22.9420, 0.3206, 0.3343.

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

22.9420, 0.3206, 0.3343

Protanopia

22.9420, 0.3206, 0.3343

Deuteranopia

22.7835, 0.3321, 0.3257



Tritanopia

22.8830, 0.3112, 0.3120

Trichromacy



Original Color

22.9420, 0.3206, 0.3343

Protanomaly

22.9420, 0.3206, 0.3343

Deuteranomaly

22.6860, 0.3270, 0.3273

Tritanomaly

22.9488, 0.3143, 0.3204

Monochromacy



Original Color

22.9420, 0.3206, 0.3343

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1278, 0.3149, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9420, 0.3206, 0.3343 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, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 131, 128)  
}
```

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, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 131, 128) }
```

Border

The CSS property to change the border of an element to Yxy 22.9420, 0.3206, 0.3343 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, 131, 128) }
```

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

```
.border{ border-color:rgb(135, 131, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 131, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 131, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 131, 128);  
box-shadow:4px 4px 4px 4px rgb(135, 131,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9420, 0.3206, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 131, 128) }
```

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

```
.background{ background-color: rgb(135,  
131, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor