

Converting Colors

$Y_{xy}(24.7668, 0.3172, 0.3345)$

Have a look what the booklet for
Yxy(24.7668, 0.3172, 0.3345)
contains.

Yxy(24.6201, 0.3169, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6201, 0.3169, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	898885
RGB	137, 136, 133
RGB Percent	54%, 53%, 52%
CMY	0.4628, 0.4666, 0.4784
CMYK	0.00, 0.01, 0.03, 0.46
HSL	45°, 2%, 53%
HSV	45°, 3%, 54%
XYZ	23.3526, 24.6201, 25.7181
YIQ	135.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

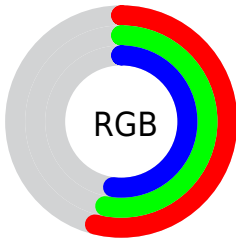
Format	Color
R _Y B	134, 137, 133
Decimal	9013381
CIE Lab	56.70, -0.21, 1.72
CIE LCh	57, 1.734, 97.109
Yxy	24.6201, 0.3169, 0.3341
Android (android.graphics.Color)	4287203461 (0xFF898885)
YUV	135.9570, -1.4578, 0.9147
Hunter-Lab	49.6186, -2.8230, 4.0021

Details

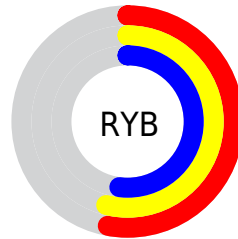
The Yxy color **24.6201, 0.3169, 0.3341** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.8409, 0.3085, 0.3238**, and the grayscale version is **24.6085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8875, 0.3158, 0.3328**, and **9.3219, 0.3175, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **23.3357, 0.3322, 0.3523**, and if you desaturate by 10%, it is **25.9857, 0.3029, 0.3168**.

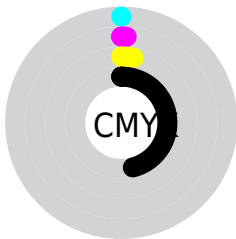
Distribution



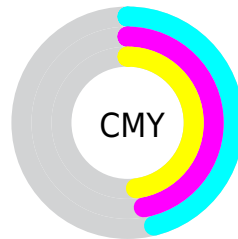
- Red (54%)
- Green (53%)
- Blue (52%)



- Red (53%)
- Yellow (54%)
- Blue (52%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6201, 0.3169, 0.3341 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 24.6201, 0.3169, 0.3341 by changing the saturation by 10% instead.

■ 24.6201, 0.3169,
0.3341

■ 24.6201, 0.3169,
0.3341

■ 275.9407, 0.3146,
0.3313

■ 15.7942, 0.3176,
0.3349

■ 51.0402, 0.3160,
0.3330

■ 9.3787, 0.3185,
0.3360

■ 69.4033, 0.3157,
0.3326

■ 4.9890, 0.3198,
0.3377

■ 91.7143, 0.3154,
0.3323

■ 2.2408, 0.3220,
0.3403

■ 118.3574, 0.3152,
0.3320

■ 0.7421, 0.3287,
0.3484

■ 149.7173, 0.3150,
0.3318

■ 0.0000, 0.0000,
0.0000

186.1782, 0.3149,

0.3316

228.1245, 0.3147,
0.3314

■ 24.6201, 0.3169,
0.3341

■ 24.6201, 0.3169,
0.3341

■ 23.3357, 0.3322,
0.3523

■ 25.9857, 0.3029,
0.3168

■ 22.1270, 0.3486,
0.3711

■ 27.4313, 0.2901,
0.3006

■ 20.9929, 0.3660,
0.3901

■ 28.9599, 0.2786,
0.2856

■ 19.9310, 0.3840,
0.4087

■ 30.5735, 0.2682,
0.2717

■ 18.9386, 0.4021,
0.4260

■ 32.2738, 0.2589,
0.2589

■ 18.0129, 0.4196,
0.4411

■ 34.0626, 0.2506,
0.2472

■ 17.1507, 0.4359,
0.4531

■ 35.9415, 0.2431,
0.2366

■ 16.3485, 0.4501,
0.4611

■ 37.9122, 0.2364,
0.2268

■ 15.6022, 0.4616,
0.4647

■ 39.8923, 0.2310,
0.2192

Harmonies

Analogous

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



24.6201, 0.3184, 0.3329



24.6201, 0.3169, 0.3341



24.6201, 0.3143, 0.3340

Triad

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



24.6201, 0.3169, 0.3341



24.6201, 0.3071, 0.3274



24.6201, 0.3142, 0.3256

Complementary

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



24.6201, 0.3169, 0.3341



23.8409, 0.3085, 0.3238

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.



24.6201, 0.3112, 0.3241



24.6201, 0.3169, 0.3341



24.6201, 0.3071, 0.3252

Square

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



24.6201, 0.3169, 0.3341



24.6201, 0.3086, 0.3301



24.6201, 0.3086, 0.3240



24.6201, 0.3168, 0.3279

Rectangle

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



24.6201, 0.3169, 0.3341



24.6201, 0.3122, 0.3331



24.6201, 0.3086, 0.3240



24.6201, 0.3132, 0.3250

Sweetspot

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



24.6212, 0.3169, 0.3341



44.5528, 0.3142, 0.3308



23.8183, 0.3162, 0.3273



9.9967, 0.3141, 0.3307



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.



24.6212, 0.3169, 0.3341



44.0653, 0.3172, 0.3344



24.8126, 0.3157, 0.3358



5.8096, 0.3180, 0.3355



14.0866, 0.4689, 0.4659



0.1165, 0.4419, 0.4873

Inverse Universe

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



23.8409, 0.3085, 0.3238



42.5845, 0.3083, 0.3235



23.6548, 0.3097, 0.3222



5.5765, 0.3074, 0.3224



2.7429, 0.1589, 0.0920



0.0383, 0.1793, 0.1655

Previews

White Background



This preview shows how the Yxy color 24.6201, 0.3169, 0.3341 looks on a white background.

Color Contrast Check

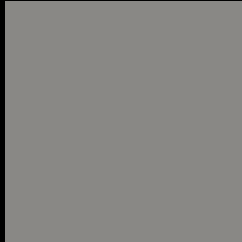
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6201, 0.3169, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

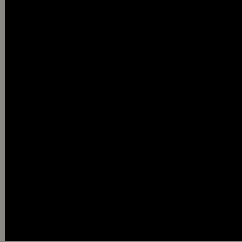
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

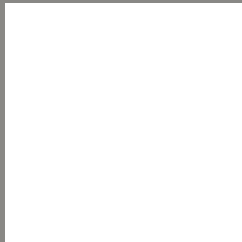
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6201, 0.3169, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 24.6201, 0.3169, 0.3341.



This preview shows how white text looks on a background with the Yxy color 24.6201, 0.3169, 0.3341.

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

24.6201, 0.3169, 0.3341

Protanopia

24.5104, 0.3193, 0.3324

Deuteranopia

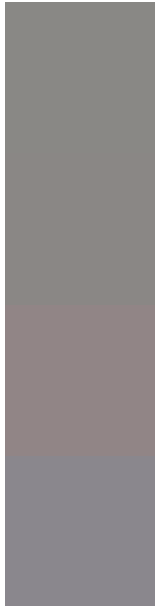
24.7078, 0.3314, 0.3258



Tritanopia

24.5835, 0.3069, 0.3107

Trichromacy



Original Color

24.6201, 0.3169, 0.3341

Protanomaly

24.4247, 0.3182, 0.3324

Deuteranomaly

24.5160, 0.3254, 0.3274

Tritanomaly

24.6543, 0.3099, 0.3189

Monochromacy



Original Color

24.6201, 0.3169, 0.3341

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5918, 0.3137, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6201, 0.3169, 0.3341 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(137, 136, 133)` looks like.

```
.text, #text, p{  
    color:rgb(137, 136, 133)  
}
```

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(137, 136, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 136, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.6201, 0.3169, 0.3341 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(137, 136, 133) }
```

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

```
.border{ border-color:rgb(137, 136, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 136, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 136, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 136, 133);  
box-shadow:4px 4px 4px 4px rgb(137, 136,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6201, 0.3169, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 136, 133) }
```

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

```
.background{ background-color: rgb(137,  
136, 133) }
```

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