

Converting Colors

$Yxy(23.9292, 0.3484, 0.3470)$

Have a look what the booklet for
Yxy(23.9292, 0.3484, 0.3470)
contains.

Yxy(23.8054, 0.3478, 0.3457)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8054, 0.3478, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	968278
RGB	150, 130, 120
RGB Percent	59%, 51%, 47%
CMY	0.4118, 0.4902, 0.5294
CMYK	0.00, 0.13, 0.20, 0.41
HSL	20°, 12%, 53%
HSV	20°, 20%, 59%
XYZ	23.9500, 23.8054, 21.1060
YIQ	134.8400, 15.1300, 1.1300

Conversions

Conversions Part 2

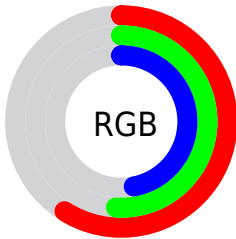
Format	Color
R_{YB}	150, 135, 120
Decimal	9863800
CIE Lab	55.89, 5.93, 8.20
CIE LCh	56, 10.123, 54.148
Yxy	23.8054, 0.3478, 0.3457
Android (android.graphics.Color)	4288053880 (0xFF968278)
YUV	134.8400, -7.3161, 13.2953
Hunter-Lab	48.7908, 2.2367, 8.5057

Details

The Yxy color **23.8054, 0.3478, 0.3457** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9522, 0.2827, 0.3117**, and the grayscale version is **24.1901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6829, 0.3399, 0.3427**, and **9.0054, 0.3610, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **20.9378, 0.3700, 0.3546**, and if you desaturate by 10%, it is **26.9908, 0.3288, 0.3371**.

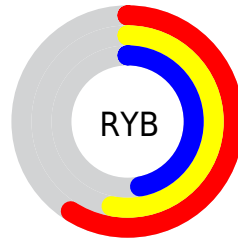
Distribution



Red (59%)

Green (51%)

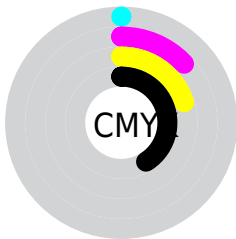
Blue (47%)



Red (59%)

Yellow (53%)

Blue (47%)

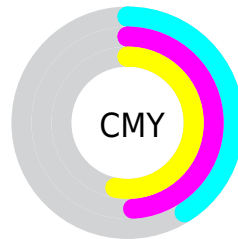


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (41%)



Cyan (41%)


Magenta (49%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8054, 0.3478, 0.3457 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 23.8054, 0.3478, 0.3457 by changing the saturation by 10% instead.


 23.8054, 0.3478,
0.3457

 23.8054, 0.3478,
0.3457


271.8352, 0.3282,
0.3366

 15.1893, 0.3535,
0.3482


 49.7125, 0.3401,
0.3422

 8.9524, 0.3615,
0.3516


 67.7722, 0.3374,
0.3410

 4.7101, 0.3733,
0.3564

 89.7487, 0.3352,
0.3399

 2.0782, 0.3924,
0.3637

116.0262, 0.3333,
0.3391

 0.6523, 0.4922,
0.4198

146.9893, 0.3317,
0.3383

 0.0000, 0.0000,
0.0000

183.0222, 0.3304,

0.3377

224.5093, 0.3292,
0.3371

■ 23.8054, 0.3478,
0.3457

■ 23.8054, 0.3478,
0.3457

■ 20.9378, 0.3700,
0.3546

■ 26.9908, 0.3288,
0.3371

■ 18.3748, 0.3957,
0.3636

■ 30.5002, 0.3127,
0.3290

■ 16.1069, 0.4249,
0.3719

■ 34.3439, 0.2990,
0.3215

■ 14.1230, 0.4574,
0.3789

■ 38.5306, 0.2873,
0.3146

■ 12.4110, 0.4918,
0.3834

■ 43.0687, 0.2773,
0.3082

■ 10.9581, 0.5261,
0.3843

■ 47.9663, 0.2688,
0.3025

■ 9.7501, 0.5575,
0.3807

■ 53.2313, 0.2614,
0.2972

■ 8.7650, 0.5849,
0.3737

■ 58.8711, 0.2551,
0.2924

■ 8.7638, 0.5850,
0.3737

■ 64.8928, 0.2496,
0.2880

Harmonies

Analogous

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



23.8054, 0.3436, 0.3310



23.8054, 0.3478, 0.3457



23.8054, 0.3423, 0.3566

Triad

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



23.8054, 0.3478, 0.3457



23.8054, 0.2945, 0.3422



23.8054, 0.2961, 0.2994

Complementary

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



23.8054, 0.3478, 0.3457



24.9522, 0.2827, 0.3117

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.



23.8054, 0.2837, 0.3014



23.8054, 0.3478, 0.3457



23.8054, 0.2828, 0.3258

Square

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



23.8054, 0.3478, 0.3457



23.8054, 0.3113, 0.3550



23.8054, 0.2788, 0.3109



23.8054, 0.3133, 0.3048

Rectangle

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



23.8054, 0.3478, 0.3457



23.8054, 0.3340, 0.3600



23.8054, 0.2788, 0.3109



23.8054, 0.2913, 0.2992

Sweetspot

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



23.8065, 0.3478, 0.3457



49.9653, 0.3223, 0.3339



21.8278, 0.3259, 0.2956



10.9960, 0.3232, 0.3344



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.8065, 0.3478, 0.3457



39.6785, 0.3573, 0.3497



27.9369, 0.3435, 0.3688



6.1125, 0.3275, 0.3364



7.3235, 0.5836, 0.3748



0.1396, 0.5104, 0.4330

Inverse Universe

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



24.9522, 0.2827, 0.3117



42.0751, 0.2760, 0.3073



20.9925, 0.2811, 0.2858



6.2398, 0.2989, 0.3215



9.4468, 0.1942, 0.2190



0.1700, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 23.8054, 0.3478, 0.3457 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 23.8054, 0.3478, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

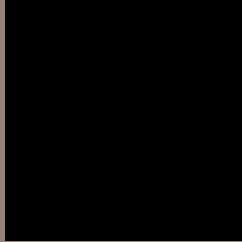
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8054, 0.3478, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 23.8054, 0.3478, 0.3457.



This preview shows how white text looks on a background with the Yxy color 23.8054, 0.3478, 0.3457.

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

23.8054, 0.3478, 0.3457

Protanopia

23.9443, 0.3313, 0.3497

Deuteranopia

23.7320, 0.3506, 0.3440



Tritanopia

23.6603, 0.3313, 0.3129

Trichromacy



Original Color

23.8054, 0.3478, 0.3457

Protanomaly

23.9952, 0.3374, 0.3495

Deuteranomaly

23.6359, 0.3494, 0.3440

Tritanomaly

23.6563, 0.3368, 0.3242

Monochromacy



Original Color

23.8054, 0.3478, 0.3457

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9622, 0.3240, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8054, 0.3478, 0.3457 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(150, 130, 120)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 120)  
}
```

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(150, 130, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 120) }
```

Border

The CSS property to change the border of an element to Yxy 23.8054, 0.3478, 0.3457 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(150, 130, 120) }
```

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

```
.border{ border-color:rgb(150, 130, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 120);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8054, 0.3478, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 120) }
```

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

```
.background{ background-color: rgb(150,  
130, 120) }
```

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