

Converting Colors

$Y_{xy}(23.5112, 0.3388, 0.3278)$

Have a look what the booklet for
Yxy(23.5112, 0.3388, 0.3278)
contains.

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Color

Yxy(23.5074, 0.3379, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	968081
RGB	150, 128, 129
RGB Percent	59%, 50%, 51%
CMY	0.4117, 0.4980, 0.4941
CMYK	0.00, 0.15, 0.14, 0.41
HSL	357°, 9%, 55%
HSV	357°, 15%, 59%
XYZ	24.2613, 23.5074, 24.0315
YIQ	134.6920, 12.7910, 4.9750

Conversions

Conversions Part 2

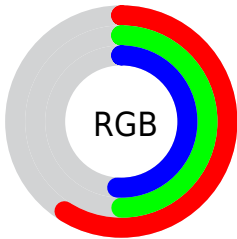
Format	Color
R _Y B	150, 128, 129
Decimal	9863297
CIE Lab	55.59, 8.59, 2.57
CIE LCh	56, 8.965, 16.640
Yxy	23.5074, 0.3379, 0.3274
Android (android.graphics.Color)	4288053377 (0xFF968081)
YUV	134.6920, -2.8062, 13.4251
Hunter-Lab	48.4844, 4.4725, 4.5517

Details

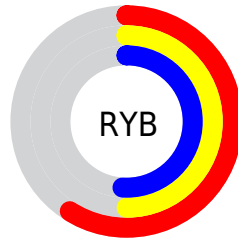
The Yxy color $23.5074, 0.3379, 0.3274$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.5750, 0.2920, 0.3306$, and the grayscale version is $24.1167, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2625, 0.3319, 0.3278$, and $8.8238, 0.3476, 0.3267$ is the 20% darker color. If you saturate the color by 10%, you get $19.5258, 0.3603, 0.3262$, and if you desaturate by 10%, it is $28.1230, 0.3199, 0.3285$.

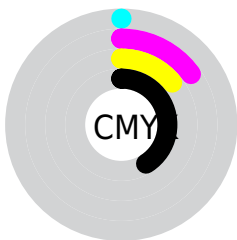
Distribution



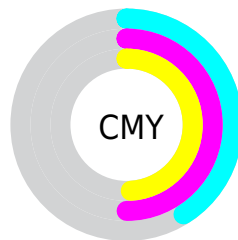
- Red (59%)
- Green (50%)
- Blue (51%)



- Red (59%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (14%)
- Black (41%)





- Cyan (41%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5074, 0.3379, 0.3274 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 23.5074, 0.3379, 0.3274 by changing the saturation by 10% instead.

 23.5074, 0.3379,
0.3274


 23.5074, 0.3379,
0.3274


270.3205, 0.3238,
0.3284

 14.9686, 0.3420,
0.3271


 49.2251, 0.3324,
0.3278

 8.7974, 0.3478,
0.3266


 67.1729, 0.3304,
0.3280

 4.6092, 0.3563,
0.3258

 89.0258, 0.3288,
0.3281

 2.0199, 0.3703,
0.3243

115.1681, 0.3275,
0.3282

 0.6190, 0.4175,
0.3238

145.9844, 0.3264,
0.3282

 0.0000, 0.0000,
0.0000

181.8589, 0.3254,


0.3283


223.1762, 0.3246,
0.3284


 23.5074, 0.3379,
0.3274


 23.5074, 0.3379,
0.3274

 19.5258, 0.3603,
0.3262

 28.1230, 0.3199,
0.3285


 16.1475, 0.3879,
0.3251


 33.3952, 0.3054,
0.3295


 13.3441, 0.4214,
0.3240

 39.3494, 0.2937,
0.3305

 11.0835, 0.4610,
0.3232

 46.0089, 0.2841,
0.3313

 9.3307, 0.5053,
0.3229

 53.3956, 0.2763,
0.3321

■ 8.0463, 0.5509,
0.3233

■ 61.5306, 0.2699,
0.3328

■ 7.1854, 0.5920,
0.3246

■ 70.4341, 0.2646,
0.3334

■ 6.6917, 0.6221,
0.3265

■ 80.1256, 0.2601,
0.3340

■ 6.5002, 0.6339,
0.3266

■ 85.2250, 0.2562,
0.3288

Harmonies

Analogous

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



23.5074, 0.3252, 0.3147



23.5074, 0.3379, 0.3274



23.5074, 0.3438, 0.3409

Triad

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



23.5074, 0.3379, 0.3274



23.5074, 0.3155, 0.3539



23.5074, 0.2850, 0.3060

Complementary

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



23.5074, 0.3379, 0.3274



28.5750, 0.2920, 0.3306

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.



23.5074, 0.2827, 0.3159



23.5074, 0.3379, 0.3274



23.5074, 0.3000, 0.3440

Square

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



23.5074, 0.3379, 0.3274



23.5074, 0.3306, 0.3566



23.5074, 0.2881, 0.3299



23.5074, 0.2947, 0.3024

Rectangle

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



23.5074, 0.3379, 0.3274



23.5074, 0.3429, 0.3486



23.5074, 0.2881, 0.3299



23.5074, 0.2834, 0.3087

Sweetspot

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



23.5085, 0.3379, 0.3274



50.1433, 0.3189, 0.3286



24.0216, 0.3131, 0.2938



10.9773, 0.3201, 0.3285



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.



23.5085, 0.3379, 0.3274



38.7667, 0.3456, 0.3270



26.1930, 0.3367, 0.3452



5.8195, 0.3275, 0.3280



5.3916, 0.6332, 0.3262



0.0668, 0.6013, 0.3086

Inverse Universe

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



23.5085, 0.3379, 0.3274



38.7667, 0.3456, 0.3270



25.5785, 0.2905, 0.3122



5.8195, 0.3275, 0.3280



5.3916, 0.6332, 0.3262



0.0668, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 23.5074, 0.3379, 0.3274 looks on a white background.

Color Contrast Check

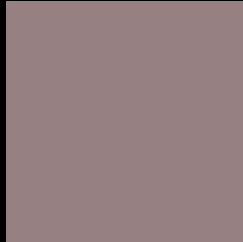
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5074, 0.3379, 0.3274 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 23.5074, 0.3379, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 23.5074, 0.3379, 0.3274.



This preview shows how white text looks on a background with the Yxy color 23.5074, 0.3379, 0.3274.

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

23.5074, 0.3379, 0.3274

Protanopia

23.6752, 0.3172, 0.3307

Deuteranopia

23.5814, 0.3353, 0.3291



Tritanopia

23.5642, 0.3301, 0.3128

Trichromacy



Original Color

23.5074, 0.3379, 0.3274

Protanomaly

23.5340, 0.3243, 0.3290

Deuteranomaly

23.6751, 0.3365, 0.3291

Tritanomaly

23.4793, 0.3335, 0.3176

Monochromacy



Original Color

23.5074, 0.3379, 0.3274

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7714, 0.3208, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5074, 0.3379, 0.3274 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, 128, 129)` looks like.

```
.text, #text, p{  
  color:rgb(150, 128, 129)  
}
```

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, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 129) }
```

Border

The CSS property to change the border of an element to Yxy 23.5074, 0.3379, 0.3274 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, 128, 129) }
```

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

```
.border{ border-color:rgb(150, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 128, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 128, 129); box-shadow:4px 4px 4px 4px rgb(150, 128, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5074, 0.3379, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 129) }
```

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

```
.background{ background-color: rgb(150,  
128, 129) }
```

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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