

Converting Colors

$Y_{xy}(24.2132, 0.3258, 0.3208)$

Have a look what the booklet for
Yxy(24.2132, 0.3258, 0.3208)
contains.

Yxy(24.2132, 0.3258, 0.3208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2132, 0.3258, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	938388
RGB	147, 131, 136
RGB Percent	58%, 51%, 53%
CMY	0.4236, 0.4862, 0.4666
CMYK	0.00, 0.11, 0.07, 0.42
HSL	341°, 7%, 55%
HSV	341°, 11%, 58%
XYZ	24.5906, 24.2132, 26.6738
YIQ	136.3540, 7.9310, 4.9470

Conversions

Conversions Part 2

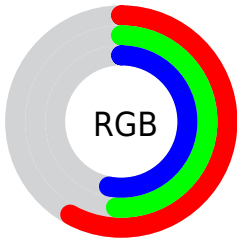
Format	Color
RYB	147, 131, 136
Decimal	9667464
CIELab	56.30, 6.96, -0.49
CIELCh	56, 6.977, 356.004
Yxy	24.2132, 0.3258, 0.3208
Android (android.graphics.Color)	4287857544 (0xFF938388)
YUV	136.3540, -0.1745, 9.3365
Hunter-Lab	49.2069, 3.0912, 2.3053

Details

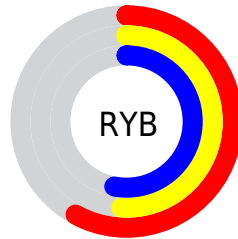
The Yxy color $24.2132, 0.3258, 0.3208$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $27.6395, 0.3011, 0.3374$, and the grayscale version is $24.7585, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.3726, 0.3232, 0.3229$, and $9.1933, 0.3307, 0.3193$ is the 20% darker color. If you saturate the color by 10%, you get $20.2681, 0.3406, 0.3128$, and if you desaturate by 10%, it is $28.7476, 0.3137, 0.3284$.

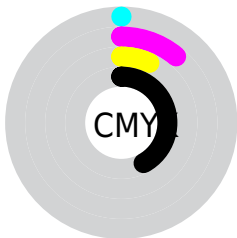
Distribution



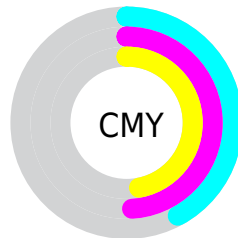
- Red (58%)
- Green (51%)
- Blue (53%)



- Red (58%)
- Yellow (51%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (42%)





- Cyan (42%)
- Magenta (49%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2132, 0.3258, 0.3208 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 24.2132, 0.3258, 0.3208 by changing the saturation by 10% instead.


 24.2132, 0.3258,
0.3208


 24.2132, 0.3258,
0.3208


273.8966, 0.3186,
0.3253

 15.4918, 0.3279,
0.3195


 50.3779, 0.3230,
0.3226

 9.1653, 0.3308,
0.3177


 68.5900, 0.3220,
0.3232

 4.8492, 0.3350,
0.3150

 90.7345, 0.3211,
0.3237

 2.1590, 0.3419,
0.3108

117.1958, 0.3205,
0.3241

 0.6975, 0.3584,
0.3002

148.3583, 0.3199,
0.3245

 0.0000, 0.0000,
0.0000

184.6063, 0.3194,

0.3248

226.3243, 0.3189,
0.3251

■ 24.2132, 0.3258,
0.3208

■ 24.2132, 0.3258,
0.3208

■ 20.2681, 0.3406,
0.3128

■ 28.7476, 0.3137,
0.3284

■ 16.8849, 0.3586,
0.3045

■ 33.8908, 0.3037,
0.3354

■ 14.0388, 0.3803,
0.2963

■ 39.6655, 0.2955,
0.3419

■ 11.7018, 0.4060,
0.2888

■ 46.0923, 0.2888,
0.3478

■ 9.8435, 0.4358,
0.2826

■ 53.1907, 0.2833,
0.3532

■ 8.4300, 0.4690,
0.2790

■ 60.9794, 0.2786,
0.3581

■ 7.4232, 0.5039,
0.2789

■ 69.4765, 0.2748,
0.3626

■ 6.7782, 0.5380,
0.2833

■ 78.6994, 0.2716,
0.3668

■ 6.3986, 0.5670,
0.2897

■ 83.2599, 0.2676,
0.3615

Harmonies

Analogous

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



24.2132, 0.3140, 0.3126



24.2132, 0.3258, 0.3208



24.2132, 0.3341, 0.3312

Triad

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



24.2132, 0.3258, 0.3208



24.2132, 0.3232, 0.3502



24.2132, 0.2894, 0.3162

Complementary

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



24.2132, 0.3258, 0.3208



27.6395, 0.3011, 0.3374

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.



24.2132, 0.2917, 0.3262



24.2132, 0.3258, 0.3208



24.2132, 0.3111, 0.3462

Square

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



24.2132, 0.3258, 0.3208



24.2132, 0.3326, 0.3483



24.2132, 0.2996, 0.3373



24.2132, 0.2931, 0.3098

Rectangle

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



24.2132, 0.3258, 0.3208



24.2132, 0.3365, 0.3381



24.2132, 0.2996, 0.3373



24.2132, 0.2895, 0.3192

Sweetspot

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



24.2143, 0.3258, 0.3208



49.6227, 0.3161, 0.3268



24.0851, 0.3082, 0.3027



11.1812, 0.3170, 0.3262



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.



24.2143, 0.3258, 0.3208



41.5851, 0.3291, 0.3189



24.8731, 0.3308, 0.3339



5.8435, 0.3236, 0.3221



5.5530, 0.5656, 0.2889



0.0728, 0.4592, 0.2304

Inverse Universe

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



24.2143, 0.3258, 0.3208



41.5851, 0.3291, 0.3189



26.8942, 0.2965, 0.3241



5.8435, 0.3236, 0.3221



5.5530, 0.5656, 0.2889



0.0728, 0.4592, 0.2304

Previews

White Background



This preview shows how the Yxy color 24.2132, 0.3258, 0.3208 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 24.2132, 0.3258, 0.3208 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 24.2132, 0.3258, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 24.2132, 0.3258, 0.3208.



This preview shows how white text looks on a background with the Yxy color 24.2132, 0.3258, 0.3208.

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

24.2132, 0.3258, 0.3208

Protanopia

24.2035, 0.3119, 0.3222

Deuteranopia

24.3061, 0.3270, 0.3208



Tritanopia

24.1843, 0.3216, 0.3111

Trichromacy



Original Color

24.2132, 0.3258, 0.3208

Protanomaly

24.2439, 0.3176, 0.3223

Deuteranomaly

24.3061, 0.3270, 0.3208

Tritanomaly

24.1252, 0.3238, 0.3143

Monochromacy



Original Color

24.2132, 0.3258, 0.3208

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4032, 0.3174, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2132, 0.3258, 0.3208 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(147, 131, 136)` looks like.

```
.text, #text, p{  
    color:rgb(147, 131, 136)  
}
```

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(147, 131, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 131, 136) }
```

Border

The CSS property to change the border of an element to Yxy 24.2132, 0.3258, 0.3208 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(147, 131, 136) }
```

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

```
.border{ border-color:rgb(147, 131, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 131, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 131, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 131, 136);  
box-shadow:4px 4px 4px 4px rgb(147, 131,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2132, 0.3258, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 131, 136) }
```

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

```
.background{ background-color: rgb(147,  
131, 136) }
```

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