

Converting Colors

$Y_{xy}(23.3209, 0.3214, 0.3112)$

Have a look what the booklet for
Yxy(23.3209, 0.3214, 0.3112)
contains.

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Color

Yxy(23.3222, 0.3206, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	91808B
RGB	145, 128, 139
RGB Percent	57%, 50%, 55%
CMY	0.4313, 0.4980, 0.4549
CMYK	0.00, 0.12, 0.04, 0.43
HSL	321°, 7%, 54%
HSV	321°, 12%, 57%
XYZ	24.0576, 23.3222, 27.6595
YIQ	134.3370, 6.6010, 7.0250

Conversions

Conversions Part 2

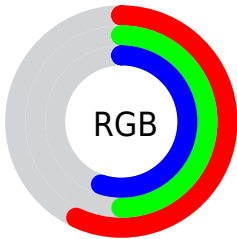
Format	Color
R _Y B	145, 128, 139
Decimal	9535627
CIE Lab	55.40, 8.51, -3.56
CIE LCh	55, 9.225, 337.319
Yxy	23.3222, 0.3206, 0.3108
Android (android.graphics.Color)	4287725707 (0xFF91808B)
YUV	134.3370, 2.2989, 9.3515
Hunter-Lab	48.2931, 4.4084, -0.1527

Details

The Yxy color $23.3222, 0.3206, 0.3108$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $26.5646, 0.3056, 0.3479$, and the grayscale version is $23.9610, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9956, 0.3193, 0.3155$, and $8.6929, 0.3228, 0.3045$ is the 20% darker color. If you saturate the color by 10%, you get $19.6605, 0.3286, 0.2946$, and if you desaturate by 10%, it is $27.5336, 0.3138, 0.3264$.

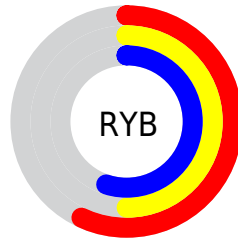
Distribution



Red (57%)

Green (50%)

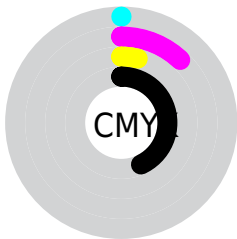
Blue (55%)



Red (57%)

Yellow (50%)

Blue (55%)

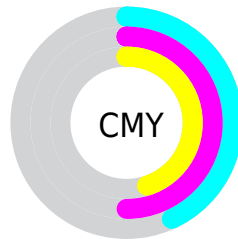


Cyan (0%)

Magenta (12%)

Yellow (4%)

Black (43%)



Cyan (43%)


Magenta (50%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3222, 0.3206, 0.3108 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 23.3222, 0.3206, 0.3108 by changing the saturation by 10% instead.


 23.3222, 0.3206,
0.3108


 23.3222, 0.3206,
0.3108


269.3756, 0.3163,
0.3208

 14.8316, 0.3218,
0.3079


 48.9218, 0.3189,
0.3147

 8.7013, 0.3235,
0.3040


 66.7997, 0.3183,
0.3161

 4.5469, 0.3260,
0.2982

 88.5754, 0.3178,
0.3172

 1.9839, 0.3299,
0.2891

114.6333, 0.3174,
0.3182

 0.5981, 0.3413,
0.2630

145.3579, 0.3171,
0.3190

 0.0000, 0.0000,
0.0000

181.1336, 0.3168,

0.3197

222.3447, 0.3165,
0.3203

■ 23.3222, 0.3206,
0.3108

■ 23.3222, 0.3206,
0.3108

■ 19.6605, 0.3286,
0.2946

■ 27.5336, 0.3138,
0.3264

■ 16.5225, 0.3380,
0.2781

■ 32.3133, 0.3080,
0.3411

■ 13.8847, 0.3489,
0.2618

■ 37.6825, 0.3032,
0.3548

■ 11.7206, 0.3611,
0.2465

■ 43.6608, 0.2992,
0.3676

■ 10.0012, 0.3747,
0.2332

■ 50.2665, 0.2958,
0.3793

■ 8.6944, 0.3893,
0.2228

■ 57.5173, 0.2931,
0.3901

■ 7.7635, 0.4045,
0.2164

■ 65.4304, 0.2907,
0.3999

■ 7.1655, 0.4198,
0.2146

■ 74.0219, 0.2888,
0.4090

■ 6.8248, 0.4326,
0.2157

■ 81.0482, 0.2869,
0.4137

Harmonies

Analogous

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



23.3222, 0.3041, 0.3032



23.3222, 0.3206, 0.3108



23.3222, 0.3352, 0.3230

Triad

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



23.3222, 0.3206, 0.3108



23.3222, 0.3352, 0.3567



23.3222, 0.2826, 0.3197

Complementary

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



23.3222, 0.3206, 0.3108



26.5646, 0.3056, 0.3479

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.



23.3222, 0.2905, 0.3346



23.3222, 0.3206, 0.3108



23.3222, 0.3207, 0.3565

Square

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



23.3222, 0.3206, 0.3108



23.3222, 0.3437, 0.3494



23.3222, 0.3044, 0.3483



23.3222, 0.2826, 0.3078

Rectangle

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



23.3222, 0.3206, 0.3108



23.3222, 0.3418, 0.3324



23.3222, 0.3044, 0.3483



23.3222, 0.2844, 0.3245

Sweetspot

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



23.3232, 0.3206, 0.3108



47.4367, 0.3153, 0.3228



22.5477, 0.3015, 0.3000



10.4334, 0.3157, 0.3217



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.3232, 0.3206, 0.3108



39.9901, 0.3225, 0.3067



23.0857, 0.3301, 0.3248



5.4791, 0.3187, 0.3149



5.8580, 0.4317, 0.2152



0.0602, 0.3720, 0.1823

Inverse Universe

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



23.3232, 0.3206, 0.3108



39.9901, 0.3225, 0.3067



26.8099, 0.2977, 0.3333



5.4791, 0.3187, 0.3149



5.8580, 0.4317, 0.2152



0.0602, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 23.3222, 0.3206, 0.3108 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 23.3222, 0.3206, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

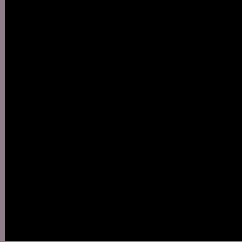
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3222, 0.3206, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 23.3222, 0.3206, 0.3108.



This preview shows how white text looks on a background with the Yxy color 23.3222, 0.3206, 0.3108.

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

23.3222, 0.3206, 0.3108

Protanopia

23.4122, 0.3045, 0.3136

Deuteranopia

23.4042, 0.3181, 0.3123



Tritanopia

23.2931, 0.3217, 0.3124

Trichromacy



Original Color

23.3222, 0.3206, 0.3108

Protanomaly

23.4444, 0.3100, 0.3137

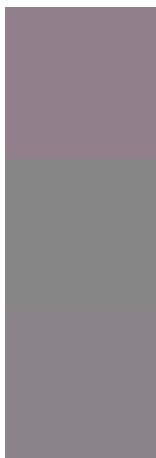
Deuteranomaly

23.4939, 0.3193, 0.3124

Tritanomaly

23.2931, 0.3217, 0.3124

Monochromacy



Original Color

23.3222, 0.3206, 0.3108

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6834, 0.3153, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3222, 0.3206, 0.3108 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(145, 128, 139)` looks like.

```
.text, #text, p{  
    color:rgb(145, 128, 139)  
}
```

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(145, 128, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 128, 139) }
```

Border

The CSS property to change the border of an element to Yxy 23.3222, 0.3206, 0.3108 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(145, 128, 139) }
```

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

```
.border{ border-color:rgb(145, 128, 139) }
```

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

Here you see how a box with a 4 pixel rgb(145, 128, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 128, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 128, 139);  
box-shadow:4px 4px 4px 4px rgb(145, 128,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3222, 0.3206, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 128, 139) }
```

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

```
.background{ background-color: rgb(145,  
128, 139) }
```

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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