

Converting Colors

$Y_{xy}(22.2796, 0.3157, 0.3206)$

Have a look what the booklet for
Yxy(22.2796, 0.3157, 0.3206)
contains.

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Color

Yxy(22.2827, 0.3155, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	878085
RGB	135, 128, 133
RGB Percent	53%, 50%, 52%
CMY	0.4705, 0.4981, 0.4784
CMYK	0.00, 0.05, 0.02, 0.47
HSL	317°, 3%, 52%
HSV	317°, 5%, 53%
XYZ	21.9488, 22.2827, 25.3367
YIQ	130.6630, 2.5670, 3.0390

Conversions

Conversions Part 2

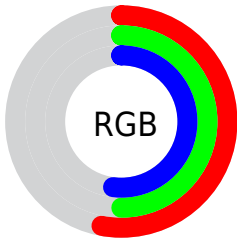
Format	Color
R_{YB}	135, 128, 133
Decimal	8880261
CIE Lab	54.33, 3.63, -1.76
CIE LCh	54, 4.035, 334.069
Yxy	22.2827, 0.3155, 0.3203
Android (android.graphics.Color)	4287070341 (0xFF878085)
YUV	130.6630, 1.1521, 3.8035
Hunter-Lab	47.2046, 0.3894, 1.2197

Details

The Yxy color $22.2827, 0.3155, 0.3203$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.5382, 0.3100, 0.3379$, and the grayscale version is $22.5677, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2843, 0.3147, 0.3226$, and $8.1634, 0.3151, 0.3159$ is the 20% darker color. If you saturate the color by 10%, you get $18.8871, 0.3215, 0.3030$, and if you desaturate by 10%, it is $26.1530, 0.3104, 0.3368$.

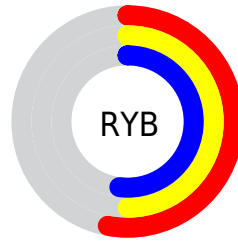
Distribution



Red (53%)

Green (50%)

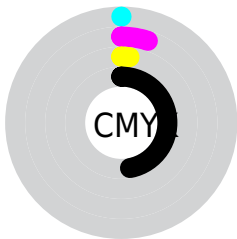
Blue (52%)



Red (53%)

Yellow (50%)

Blue (52%)

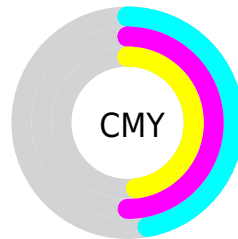


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (47%)



Cyan (47%)


Magenta (50%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2827, 0.3155, 0.3203 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 22.2827, 0.3155, 0.3203 by changing the saturation by 10% instead.


 22.2827, 0.3155,
0.3203


 22.2827, 0.3155,
0.3203

264.0191, 0.3140,
0.3252


 14.0648, 0.3159,
0.3189


 47.2128, 0.3149,
0.3222

 8.1657, 0.3166,
0.3169


 64.6938, 0.3147,
0.3229

 4.2012, 0.3175,
0.3140

 86.0312, 0.3145,
0.3234

 1.7867, 0.3190,
0.3092

111.6095, 0.3144,
0.3239

 0.4789, 0.3261,
0.2872

141.8130, 0.3142,
0.3243

 0.0000, 0.0000,
0.0000

177.0262, 0.3141,

0.3246

217.6334, 0.3140,
0.3249

■ 22.2827, 0.3155,
0.3203

■ 22.2827, 0.3155,
0.3203

■ 18.8871, 0.3215,
0.3030

■ 26.1530, 0.3104,
0.3368

■ 15.9449, 0.3285,
0.2852

■ 30.5126, 0.3060,
0.3522

■ 13.4374, 0.3366,
0.2674

■ 35.3789, 0.3024,
0.3666

■ 11.3437, 0.3457,
0.2501

■ 40.7676, 0.2993,
0.3799

■ 9.6407, 0.3558,
0.2341

■ 46.6939, 0.2967,
0.3922

■ 8.3035, 0.3668,
0.2205

■ 53.1721, 0.2946,
0.4034

■ 7.3041, 0.3783,
0.2102

■ 60.2162, 0.2928,
0.4137

■ 6.6104, 0.3900,
0.2040

■ 67.8396, 0.2913,
0.4231

■ 6.1764, 0.4016,
0.2021

■ 76.0552, 0.2900,
0.4317

Harmonies

Analogous

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



22.2827, 0.3082, 0.3171



22.2827, 0.3155, 0.3203



22.2827, 0.3221, 0.3257

Triad

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



22.2827, 0.3155, 0.3203



22.2827, 0.3233, 0.3411



22.2827, 0.2994, 0.3257

Complementary

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



22.2827, 0.3155, 0.3203



23.5382, 0.3100, 0.3379

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.



22.2827, 0.3034, 0.3323



22.2827, 0.3155, 0.3203



22.2827, 0.3171, 0.3412

Square

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



22.2827, 0.3155, 0.3203



22.2827, 0.3266, 0.3377



22.2827, 0.3098, 0.3380



22.2827, 0.2990, 0.3202

Rectangle

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



22.2827, 0.3155, 0.3203



22.2827, 0.3252, 0.3300



22.2827, 0.3098, 0.3380



22.2827, 0.3004, 0.3279

Sweetspot

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



22.2837, 0.3155, 0.3203



41.9863, 0.3138, 0.3256



21.9314, 0.3074, 0.3166



9.7450, 0.3137, 0.3258



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.



22.2837, 0.3155, 0.3203



39.2903, 0.3160, 0.3187



22.1888, 0.3193, 0.3264



4.9582, 0.3162, 0.3183



5.5334, 0.4070, 0.2016



0.0204, 0.3603, 0.1759

Inverse Universe

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



22.2837, 0.3155, 0.3203



39.2903, 0.3160, 0.3187



23.6335, 0.3065, 0.3317



4.9582, 0.3162, 0.3183



5.5334, 0.4070, 0.2016



0.0204, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 22.2827, 0.3155, 0.3203 looks on a white background.

Color Contrast Check

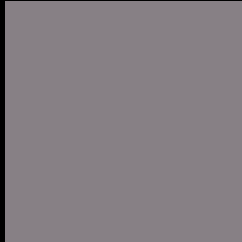
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2827, 0.3155, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

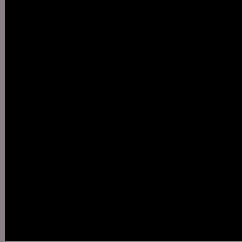
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2827, 0.3155, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 22.2827, 0.3155, 0.3203.



This preview shows how white text looks on a background with the Yxy color 22.2827, 0.3155, 0.3203.

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

22.2827, 0.3155, 0.3203

Protanopia

22.2470, 0.3097, 0.3202

Deuteranopia

22.2779, 0.3228, 0.3171



Tritanopia

22.2191, 0.3124, 0.3118

Trichromacy



Original Color

22.2827, 0.3155, 0.3203

Protanomaly

22.3273, 0.3108, 0.3203

Deuteranomaly

22.3612, 0.3203, 0.3187

Tritanomaly

22.1906, 0.3134, 0.3135

Monochromacy



Original Color

22.2827, 0.3155, 0.3203

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5367, 0.3129, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2827, 0.3155, 0.3203 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(135, 128, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 128, 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(135, 128, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 128, 133) }
```

Border

The CSS property to change the border of an element to Yxy 22.2827, 0.3155, 0.3203 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(135, 128, 133) }
```

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

```
.border{ border-color:rgb(135, 128, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 128, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 128, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 128, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 128,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2827, 0.3155, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 128, 133) }
```

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

```
.background{ background-color: rgb(135,  
128, 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](#).

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