Converting Colors

Yxy(22.6148, 0.3095, 0.3125)

Have a look what the booklet for Yxy(22.6148, 0.3095, 0.3125) contains.

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Color

Yxy(22.6864, 0.3100, 0.3135)

Conversions

Format	Color
Hex	87818A
RGB	135, 129, 138
RGB Percent	53%, 51%, 54%
CMY	0.4705, 0.4941, 0.4588
CMYK	0.02, 0.07, 0.00, 0.46
HSL	280°, 4%, 52%
HSV	280°, 7%, 54%
XYZ	22.4331, 22.6864, 27.2454
YIQ	131.8200, 0.6870, 4.0710

Conversions Part 1

Conversions

Conversions Part 2

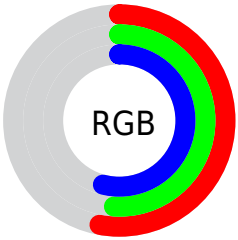
Format	Color
RYB	135, 129, 138
Decimal	8880522
CIELab	54.75, 4.05, -4.05
CIELCh	55, 5.728, 314.986
Yxy	22.6864, 0.3100, 0.3135
Android (android.graphics.Color)	4287070602 (0xFF87818A)
YUV	131.8200, 3.0467, 2.7889
Hunter-Lab	47.6302, 0.7179, -0.5738

Details

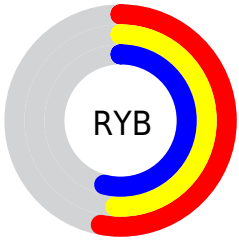
The Yxy color 22.6864, 0.3100, 0.3135 is a dark color, and the websafe version is hex 999999. A complement of this color would be 24.6689, 0.3153, 0.3447, and the grayscale version is 22.9967, 0.3127, 0.3290.

A 20% lighter version of the original color is 47.9089, 0.3107, 0.3176, and 8.3732, 0.3084, 0.3083 is the 20% darker color. If you saturate the color by 10%, you get 18.9230, 0.3052, 0.2885, and if you desaturate by 10%, it is 26.9591, 0.3140, 0.3369.

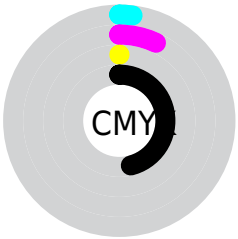
Distribution



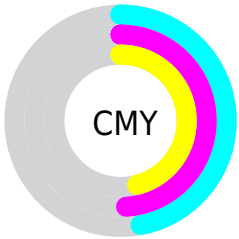
- Red (53%)
- Green (51%)
- Blue (54%)



- Red (53%)
- Yellow (51%)
- Blue (54%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)



- Cyan (47%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6864, 0.3100, 0.3135 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 22.6864, 0.3100, 0.3135 by changing the saturation by 10% instead.

22.6864, 0.3100, 0.3135

22.6864, 0.3100, 0.3135

266.1102, 0.3116, 0.3221

14.3621, 0.3095, 0.3110

47.8779, 0.3106, 0.3169

8.3730, 0.3089, 0.3076

65.5139, 0.3108, 0.3181

4.3345, 0.3078, 0.3025

87.0226, 0.3110, 0.3190

1.8624, 0.3061, 0.2943

112.7883, 0.3112, 0.3199

0.5256, 0.3023, 0.2655

143.1956, 0.3113, 0.3205

0.0000, 0.0000, 0.0000

178.6287, 0.3114,

0.3211

219.4721, 0.3115, 0.3217

22.6864, 0.3100, 0.3135

22.6864, 0.3100, 0.3135

18.9230, 0.3052, 0.2885

26.9591, 0.3140, 0.3369

15.6463, 0.2996, 0.2623

31.7568, 0.3174, 0.3586

12.8361, 0.2931, 0.2355

37.0982, 0.3201, 0.3784

10.4698, 0.2859, 0.2089

43.0002, 0.3223, 0.3964

8.5229, 0.2779, 0.1835

49.4788, 0.3241, 0.4127

6.9684, 0.2695, 0.1604

5.7760, 0.2608, 0.1406

4.9109, 0.2521, 0.1250

4.3145, 0.2436, 0.1137

56.5496, 0.3255, 0.4274

64.2274, 0.3266, 0.4406

72.5266, 0.3275, 0.4524

81.4610, 0.3281, 0.4631

Harmonies

Analogous

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

22.6864, 0.3006, 0.3117

22.6864, 0.3100, 0.3135

22.6864, 0.3203, 0.3193

Triad

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

22.6864, 0.3100, 0.3135

22.6864, 0.3312, 0.3434

22.6864, 0.2971, 0.3302

Complementary

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

22.6864, 0.3100, 0.3135

24.6689, 0.3153, 0.3447

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.

22.6864, 0.3051, 0.3391

22.6864, 0.3100, 0.3135

22.6864, 0.3248, 0.3467

Square

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

22.6864, 0.3100, 0.3135

22.6864, 0.3326, 0.3364

22.6864, 0.3152, 0.3452

22.6864, 0.2932, 0.3211

Rectangle

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

22.6864, 0.3100, 0.3135

22.6864, 0.3262, 0.3246

22.6864, 0.3152, 0.3452

22.6864, 0.2993, 0.3333

Sweetspot

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

22.6874, 0.3100, 0.3135

43.2517, 0.3119, 0.3242

23.0044, 0.3031, 0.3185

9.7244, 0.3120, 0.3246

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.

22.6874, 0.3100, 0.3135

38.8369, 0.3093, 0.3095

22.8953, 0.3151, 0.3162

5.0474, 0.3088, 0.3071

3.7922, 0.2410, 0.1101

0.0332, 0.2793, 0.1312

Inverse Universe

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

22.7685, 0.3200, 0.3239

39.0165, 0.3220, 0.3226

24.4720, 0.3105, 0.3421

5.0741, 0.3232, 0.3218

5.1350, 0.5581, 0.2848

0.0366, 0.4529, 0.2269

Previews

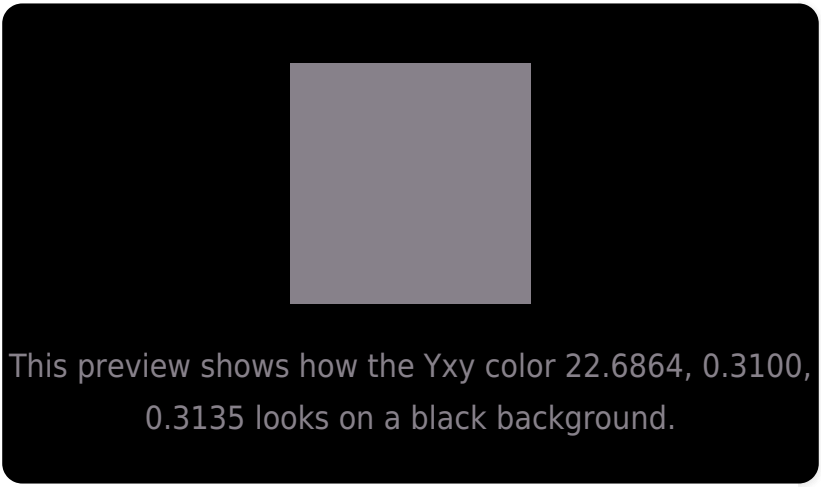
White Background

This preview shows how the Yxy color 22.6864, 0.3100, 0.3135 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



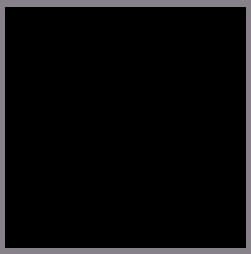
This preview shows how the Yxy color 22.6864, 0.3100, 0.3135 looks on a black background.

Color Contrast Check

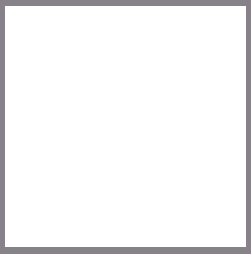
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 22.6864, 0.3100, 0.3135 Background



This preview shows how black text looks on a background with the Yxy color 22.6864, 0.3100, 0.3135.



This preview shows how white text looks on a background with the Yxy color 22.6864, 0.3100, 0.3135.

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
22.6864, 0.3100, 0.3135

Protanopia
22.6546, 0.3043, 0.3134

Deuteranopia
22.5892, 0.3159, 0.3104

Tritanopia
22.7155, 0.3089, 0.3118

Trichromacy

Original Color
22.6864, 0.3100, 0.3135

Protanomaly
22.7349, 0.3055, 0.3134

Deuteranomaly
22.6766, 0.3135, 0.3120

Tritanomaly
22.7155, 0.3089, 0.3118

Monochromacy

Original Color
22.6864, 0.3100, 0.3135

Achromatopsia
23.0740, 0.3127, 0.3290

Achromatomaly
22.9404, 0.3118, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6864, 0.3100, 0.3135 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, 129, 138) looks like.

```
.text, #text, p{
    color:rgb(135, 129, 138)
}
```

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, 129, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 129, 138) }
```

Border

The CSS property to change the border of an element to Yxy 22.6864, 0.3100, 0.3135 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, 129, 138) }
```

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

```
.border{ border-color:rgb(135, 129, 138) }
```

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

Here you see how a box with a 4 pixel rgb(135, 129, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 129, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 129, 138); box-shadow:4px 4px 4px 4px rgb(135, 129, 138) }
```

Background

The CSS property to change the background color of an element to Yxy 22.6864, 0.3100, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(135, 129, 138) }
```

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

```
.background{ background-color:rgb(135,
129, 138) }
```

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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