Converting Colors

Yxy(23.2040, 0.2824, 0.2829)

Have a look what the booklet for Yxy(23.2040, 0.2824, 0.2829) contains.

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Color

Yxy(23.2904, 0.2825, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	80839E
RGB	128, 131, 158
RGB Percent	50%, 51%, 62%
CMY	0.4979, 0.4863, 0.3805
CMYK	0.19, 0.17, 0.00, 0.38
HSL	234°, 13%, 56%
HSV	234°, 19%, 62%
XYZ	23.1919, 23.2904, 35.6129
YIQ	133.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

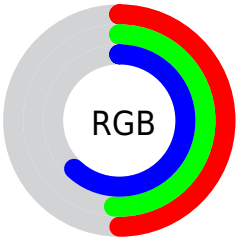
Format	Color
RYB	128, 131, 158
Decimal	8422302
CIELab	55.37, 4.81, -14.75
CIELCh	55, 15.512, 288.071
Yxy	23.2904, 0.2825, 0.2837
Android (android.graphics.Color)	4286612382 (0xFF80839E)
YUV	133.1810, 12.2358, -4.5437
Hunter-Lab	48.2601, 1.3247, -9.9701

Details

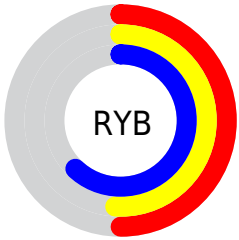
The Yxy color 23.2904, 0.2825, 0.2837 is a dark color, and the websafe version is hex 9999CC. A complement of this color would be 32.2748, 0.3413, 0.3706, and the grayscale version is 23.4839, 0.3127, 0.3290.

A 20% lighter version of the original color is 48.9088, 0.2887, 0.2929, and 8.7158, 0.2699, 0.2669 is the 20% darker color. If you saturate the color by 10%, you get 18.5955, 0.2642, 0.2557, and if you desaturate by 10%, it is 28.7032, 0.2992, 0.3089.

Distribution

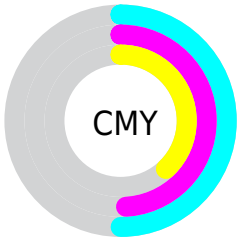


- Red (50%)
- Green (51%)
- Blue (62%)



- Red (50%)
- Yellow (51%)
- Blue (62%)

- Cyan (19%)
- Magenta (17%)
- Yellow (0%)
- Black (38%)



- Cyan (50%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2904, 0.2825, 0.2837 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 23.2904, 0.2825, 0.2837 by changing the saturation by 10% instead.

23.2904, 0.2825, 0.2837

269.2131, 0.2993, 0.3085

48.8697, 0.2891, 0.2933

66.7355, 0.2914, 0.2967

88.4979, 0.2933, 0.2995

114.5414, 0.2949, 0.3019

145.2502, 0.2963, 0.3039

181.0088, 0.2974,

23.2904, 0.2825, 0.2837

14.8081, 0.2776, 0.2767

8.6848, 0.2709, 0.2672

4.5362, 0.2611, 0.2536

1.9778, 0.2455, 0.2326

0.5945, 0.2169, 0.1890

0.0000, 0.0000, 0.0000

0.3056

222.2016, 0.2984, 0.3072

23.2904, 0.2825, 0.2837

23.2904, 0.2825, 0.2837

18.5955, 0.2642, 0.2557

28.7032, 0.2992, 0.3089

14.5857, 0.2447, 0.2253

34.8593, 0.3142, 0.3312

11.2295, 0.2246, 0.1933

41.7866, 0.3275, 0.3507

8.4923, 0.2048, 0.1612

49.5103, 0.3392, 0.3676

6.3359, 0.1866, 0.1307

58.0548, 0.3494, 0.3823

4.7179, 0.1713, 0.1041

67.4433, 0.3584, 0.3949

3.5903, 0.1600, 0.0832

77.6980, 0.3662, 0.4058

2.8836, 0.1528, 0.0689

88.8406, 0.3731, 0.4153

2.8283, 0.1522, 0.0678

95.2480, 0.3700, 0.4238

Harmonies

Analogous

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

23.2904, 0.2659, 0.2886

23.2904, 0.2825, 0.2837

23.2904, 0.3077, 0.2899

Triad

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

23.2904, 0.2825, 0.2837

23.2904, 0.3671, 0.3496

23.2904, 0.2893, 0.3543

Complementary

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

23.2904, 0.2825, 0.2837

32.2748, 0.3413, 0.3706

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.

23.2904, 0.3158, 0.3726

23.2904, 0.2825, 0.2837

23.2904, 0.3613, 0.3684

Square

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

23.2904, 0.2825, 0.2837

23.2904, 0.3575, 0.3268

23.2904, 0.3422, 0.3775

23.2904, 0.2696, 0.3287

Rectangle

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

23.2904, 0.2825, 0.2837

23.2904, 0.3264, 0.2994

23.2904, 0.3422, 0.3775

23.2904, 0.2977, 0.3616

Sweetspot

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

23.2914, 0.2825, 0.2837

55.1759, 0.3036, 0.3155

31.4056, 0.2874, 0.3338

12.2920, 0.3027, 0.3141

80.7346, 0.3127, 0.3290

13.9985, 0.3127, 0.3290

Same Dimension

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

23.2914, 0.2825, 0.2837

38.3196, 0.2745, 0.2715

23.4907, 0.2950, 0.2804

6.5357, 0.2987, 0.3082

2.2951, 0.1524, 0.0686

0.0682, 0.1628, 0.1060

Inverse Universe

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

24.3522, 0.3452, 0.3244

40.6832, 0.3550, 0.3232

32.1184, 0.3282, 0.3767

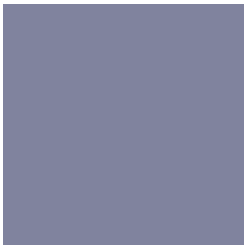
6.6563, 0.3269, 0.3268

5.8539, 0.6257, 0.3220

0.1074, 0.5669, 0.2897

Previews

White Background

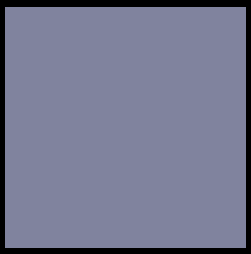


This preview shows how the Yxy color 23.2904, 0.2825, 0.2837 looks on a white background.

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



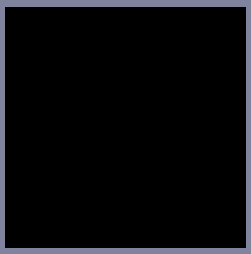
This preview shows how the Yxy color 23.2904, 0.2825, 0.2837 looks on a black background.

Color Contrast Check

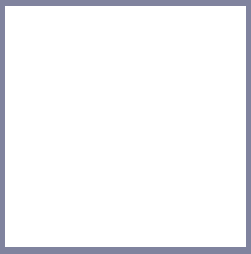
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

Yxy 23.2904, 0.2825, 0.2837 Background



This preview shows how black text looks on a background with the Yxy color 23.2904, 0.2825, 0.2837.



This preview shows how white text looks on a background with the Yxy color 23.2904, 0.2825, 0.2837.

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

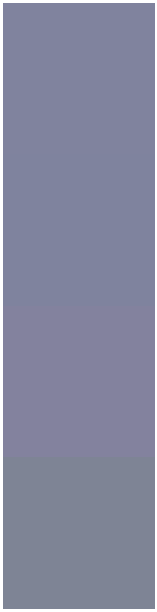
Original Color
23.2904, 0.2825, 0.2837

Protanopia
23.2132, 0.2814, 0.2835

Deuteranopia
23.1557, 0.2875, 0.2810

Tritanopia
23.1486, 0.2928, 0.3098

Trichromacy



Original Color
23.2904, 0.2825, 0.2837

Protanomaly
23.2132, 0.2814, 0.2835

Deuteranomaly
23.2592, 0.2855, 0.2824

Tritanomaly
23.1081, 0.2889, 0.2997

Monochromacy

Original Color
23.2904, 0.2825, 0.2837

Achromatopsia
23.4551, 0.3127, 0.3290

Achromatomaly
23.2808, 0.3012, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2904, 0.2825, 0.2837 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(128, 131, 158) looks like.

```
.text, #text, p{
    color:rgb(128, 131, 158)
}
```

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(128, 131, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 131, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.2904, 0.2825, 0.2837 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(128, 131, 158) }
```

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

```
.border{ border-color:rgb(128, 131, 158) }
```

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

Here you see how a box with a 4 pixel rgb(128, 131, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 131, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 131, 158); box-shadow:4px 4px 4px 4px rgb(128, 131, 158) }
```

Background

The CSS property to change the background color of an element to Yxy 23.2904, 0.2825, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(128, 131, 158) }
```

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

```
.background{ background-color:rgb(128,
131, 158) }
```

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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