

Converting Colors

$Y_{xy}(23.3068, 0.2842, 0.2661)$

Have a look what the booklet for
Yxy(23.3068, 0.2842, 0.2661)
contains.

Yxy(23.2503, 0.2840, 0.2663)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2503, 0.2840, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	897FA6
RGB	137, 127, 166
RGB Percent	54%, 50%, 65%
CMY	0.4625, 0.5020, 0.3490
CMYK	0.17, 0.24, 0.00, 0.35
HSL	255°, 18%, 57%
HSV	255°, 24%, 65%
XYZ	24.7957, 23.2503, 39.2627
YIQ	134.4360, -6.5590, 14.2490

Conversions

Conversions Part 2

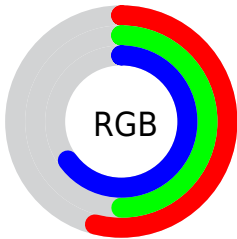
Format	Color
R_{YB}	137, 127, 166
Decimal	9011110
CIE _{Lab}	55.33, 12.03, -19.37
CIE _{LCh}	55, 22.804, 301.840
Yxy	23.2503, 0.2840, 0.2663
Android (android.graphics.Color)	4287201190 (0xFF897FA6)
YUV	134.4360, 15.5611, 2.2486
Hunter-Lab	48.2186, 7.4084, -14.5248

Details

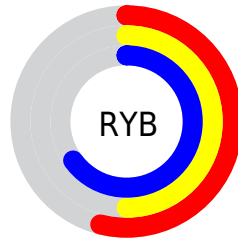
The Yxy color $23.2503, 0.2840, 0.2663$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $35.8713, 0.3373, 0.3882$, and the grayscale version is $23.9551, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9393, 0.2907, 0.2797$, and $8.6899, 0.2733, 0.2450$ is the 20% darker color. If you saturate the color by 10%, you get $18.3283, 0.2690, 0.2357$, and if you desaturate by 10%, it is $28.9996, 0.2973, 0.2947$.

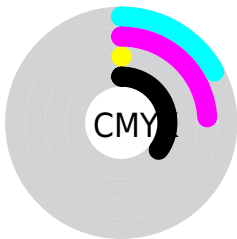
Distribution



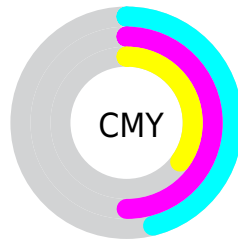
- Red (54%)
- Green (50%)
- Blue (65%)



- Red (54%)
- Yellow (50%)
- Blue (65%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)





- Cyan (46%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2503, 0.2840, 0.2663 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 23.2503, 0.2840, 0.2663 by changing the saturation by 10% instead.


 23.2503, 0.2840,
0.2663

 23.2503, 0.2840,
0.2663


269.0080, 0.3002,
0.3000


 14.7784, 0.2792,
0.2571


 48.8040, 0.2904,
0.2791

 8.6640, 0.2727,
0.2447


 66.6546, 0.2926,
0.2838

 4.5227, 0.2630,
0.2275

 88.4003, 0.2945,
0.2876

 1.9700, 0.2476,
0.2017

114.4254, 0.2960,
0.2909

 0.5900, 0.2217,
0.1531

145.1143, 0.2973,
0.2937

 0.0000, 0.0000,
0.0000

180.8514, 0.2984,

0.2961

222.0212, 0.2994,
0.2982

■ 23.2503, 0.2840,
0.2663

■ 23.2503, 0.2840,
0.2663

■ 18.3283, 0.2690,
0.2357

■ 28.9996, 0.2973,
0.2947

■ 14.1923, 0.2526,
0.2037

■ 35.6093, 0.3090,
0.3206

■ 10.8014, 0.2352,
0.1714

■ 43.1144, 0.3191,
0.3437

■ 8.1101, 0.2175,
0.1407

■ 51.5467, 0.3277,
0.3643

■ 6.0676, 0.2005,
0.1135

■ 60.9367, 0.3350,
0.3824

4.6161, 0.1852,
0.0915

71.3134, 0.3413,
0.3983

3.6869, 0.1727,
0.0762

82.7046, 0.3465,
0.4123

3.2633, 0.1660,
0.0688

92.0393, 0.3522,
0.4204

94.2167, 0.3606,
0.4178

Harmonies

Analogous

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



23.2503, 0.2539, 0.2652



23.2503, 0.2840, 0.2663



23.2503, 0.3238, 0.2817

Triad

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



23.2503, 0.2840, 0.2663



23.2503, 0.3916, 0.3716



23.2503, 0.2635, 0.3493

Complementary

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



23.2503, 0.2840, 0.2663



35.8713, 0.3373, 0.3882

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.



23.2503, 0.2981, 0.3841



23.2503, 0.2840, 0.2663



23.2503, 0.3726, 0.3949

Square

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



23.2503, 0.2840, 0.2663



23.2503, 0.3882, 0.3400



23.2503, 0.3381, 0.4009



23.2503, 0.2426, 0.3103

Rectangle

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



23.2503, 0.2840, 0.2663



23.2503, 0.3506, 0.2983



23.2503, 0.3381, 0.4009



23.2503, 0.2738, 0.3622

Sweetspot

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



23.2513, 0.2840, 0.2663



60.0888, 0.3050, 0.3115



31.1273, 0.2775, 0.3134



13.2937, 0.3043, 0.3101



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.2513, 0.2840, 0.2663



37.5320, 0.2767, 0.2512



25.0220, 0.3046, 0.2700



7.3906, 0.3025, 0.3059



2.5498, 0.1667, 0.0692



0.0859, 0.2021, 0.0887

Inverse Universe

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



25.6818, 0.3263, 0.2859



42.7321, 0.3298, 0.2764



34.1053, 0.3187, 0.3918



7.6331, 0.3175, 0.3124



7.4070, 0.3975, 0.1963



0.1878, 0.3674, 0.1798

Previews

White Background



This preview shows how the Yxy color 23.2503, 0.2840, 0.2663 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 23.2503, 0.2840, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

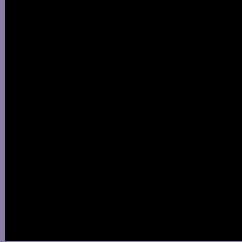
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2503, 0.2840, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 23.2503, 0.2840, 0.2663.



This preview shows how white text looks on a background with the Yxy color 23.2503, 0.2840, 0.2663.

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

23.2503, 0.2840, 0.2663

Protanopia

23.3081, 0.2678, 0.2662

Deuteranopia

23.2711, 0.2760, 0.2713



Tritanopia

23.1721, 0.3035, 0.3101

Trichromacy



Original Color

23.2503, 0.2840, 0.2663

Protanomaly

23.3816, 0.2733, 0.2668

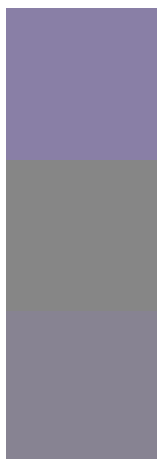
Deuteranomaly

23.2424, 0.2789, 0.2701

Tritanomaly

23.2680, 0.2954, 0.2938

Monochromacy



Original Color

23.2503, 0.2840, 0.2663

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4588, 0.3016, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2503, 0.2840, 0.2663 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(137, 127, 166)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 166)  
}
```

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(137, 127, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.2503, 0.2840, 0.2663 is called "border". The border property can be set on classes, ids or directly on the HTML element.

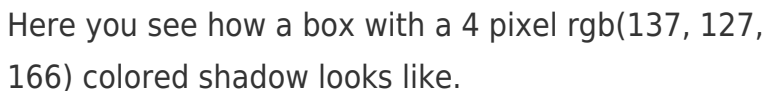
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 127, 166) }
```

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

```
.border{ border-color:rgb(137, 127, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 127, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 127, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 127, 166); box-shadow:4px 4px 4px 4px rgb(137, 127, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2503, 0.2840, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 166) }
```

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

```
.background{ background-color: rgb(137,  
127, 166) }
```

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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