

Converting Colors

$Y_{xy}(23.5265, 0.2855, 0.2841)$

Have a look what the booklet for
Yxy(23.5265, 0.2855, 0.2841)
contains.

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Color

$Y_{xy}(23.5265, 0.2855, 0.2841)$

Conversions

Conversions Part 1

Format	Color
Hex	83839E
RGB	131, 131, 158
RGB Percent	51%, 51%, 62%
CMY	0.4864, 0.4862, 0.3804
CMYK	0.17, 0.17, 0.00, 0.38
HSL	240°, 12%, 57%
HSV	240°, 17%, 62%
XYZ	23.6424, 23.5265, 35.6417
YIQ	134.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

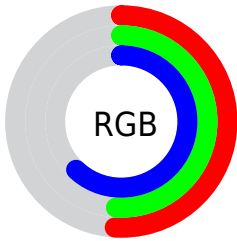
Format	Color
R_{YB}	131, 131, 158
Decimal	8618910
CIE _{Lab}	55.61, 5.79, -14.37
CIE _{LCh}	56, 15.491, 291.932
Yxy	23.5265, 0.2855, 0.2841
Android (android.graphics.Color)	4286808990 (0xFF83839E)
YUV	134.0780, 11.7935, -2.6994
Hunter-Lab	48.5041, 2.1243, -9.6145

Details

The Yxy color **23.5265, 0.2855, 0.2841** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **33.3386, 0.3377, 0.3703**, and the grayscale version is **23.8268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2754, 0.2910, 0.2932**, and **8.8455, 0.2743, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **18.4433, 0.2670, 0.2535**, and if you desaturate by 10%, it is **29.4483, 0.3021, 0.3115**.

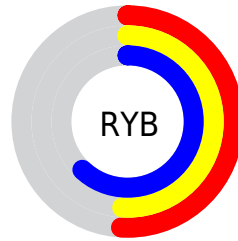
Distribution



Red (51%)

Green (51%)

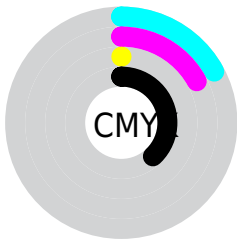
Blue (62%)



Red (51%)

Yellow (51%)

Blue (62%)

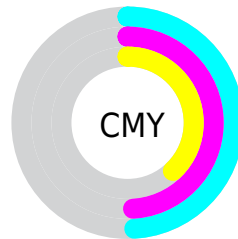


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (38%)



Cyan (49%)

Magenta (49%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5265, 0.2855, 0.2841 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 23.5265, 0.2855, 0.2841 by changing the saturation by 10% instead.

■ 23.5265, 0.2855,
0.2841

■ 23.5265, 0.2855,
0.2841

270.4178, 0.3007,
0.3086

■ 14.9828, 0.2811,
0.2772

■ 49.2564, 0.2914,
0.2935

■ 8.8073, 0.2750,
0.2679

■ 67.2114, 0.2935,
0.2969

■ 4.6157, 0.2661,
0.2546

■ 89.0722, 0.2953,
0.2997

■ 2.0236, 0.2519,
0.2340

115.2232, 0.2967,
0.3021

■ 0.6211, 0.2268,
0.1925

146.0489, 0.2979,
0.3041

■ 0.0000, 0.0000,
0.0000

181.9336, 0.2990,

0.3058

223.2618, 0.2999,
0.3073

■ 23.5265, 0.2855,
0.2841

■ 23.5265, 0.2855,
0.2841

■ 18.4433, 0.2670,
0.2535

■ 29.4483, 0.3021,
0.3115

■ 14.1580, 0.2469,
0.2203

■ 36.2411, 0.3167,
0.3356

■ 10.6311, 0.2258,
0.1856

■ 43.9392, 0.3294,
0.3566

■ 7.8184, 0.2050,
0.1512

■ 52.5741, 0.3404,
0.3747

■ 5.6712, 0.1858,
0.1195

■ 62.1757, 0.3499,
0.3902

■ 4.1347, 0.1699,
0.0931

■ 72.7729, 0.3580,
0.4036

■ 3.1454, 0.1584,
0.0741

■ 84.3930, 0.3649,
0.4151

■ 2.6045, 0.1517,
0.0629

■ 95.2486, 0.3700,
0.4238

■ 2.4764, 0.1501,
0.0602

Harmonies

Analogous

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



23.5265, 0.2676, 0.2876



23.5265, 0.2855, 0.2841



23.5265, 0.3113, 0.2916

Triad

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



23.5265, 0.2855, 0.2841



23.5265, 0.3669, 0.3523



23.5265, 0.2864, 0.3511

Complementary

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



23.5265, 0.2855, 0.2841



33.3386, 0.3377, 0.3703

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.



23.5265, 0.3122, 0.3707



23.5265, 0.2855, 0.2841



23.5265, 0.3592, 0.3701

Square

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



23.5265, 0.2855, 0.2841



23.5265, 0.3593, 0.3298



23.5265, 0.3390, 0.3775



23.5265, 0.2681, 0.3254

Rectangle

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



23.5265, 0.2855, 0.2841



23.5265, 0.3298, 0.3017



23.5265, 0.3390, 0.3775



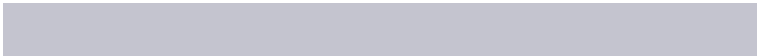
23.5265, 0.2945, 0.3588

Sweetspot

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



23.5275, 0.2855, 0.2841



55.8396, 0.3052, 0.3166



31.7280, 0.2879, 0.3296



12.4128, 0.3042, 0.3150



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.



23.5275, 0.2855, 0.2841



38.5796, 0.2778, 0.2713



24.6208, 0.2993, 0.2858



6.4376, 0.2987, 0.3059



1.9842, 0.1501, 0.0602



0.0361, 0.1503, 0.0612

Inverse Universe

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



25.1287, 0.3444, 0.3290



42.1112, 0.3545, 0.3290



32.1039, 0.3244, 0.3721



6.6464, 0.3284, 0.3290



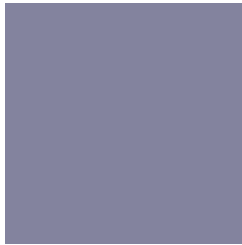
5.8225, 0.6397, 0.3298



0.1042, 0.6381, 0.3289

Previews

White Background



This preview shows how the Yxy color 23.5265, 0.2855, 0.2841 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 23.5265, 0.2855, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

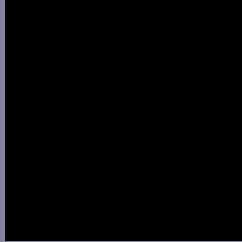
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

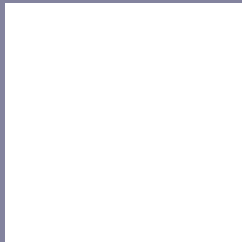
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5265, 0.2855, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 23.5265, 0.2855, 0.2841.



This preview shows how white text looks on a background with the Yxy color 23.5265, 0.2855, 0.2841.

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

23.5265, 0.2855, 0.2841

Protanopia

23.5949, 0.2816, 0.2838

Deuteranopia

23.5022, 0.2886, 0.2828



Tritanopia

23.3779, 0.2960, 0.3100

Trichromacy



Original Color

23.5265, 0.2855, 0.2841

Protanomaly

23.6729, 0.2826, 0.2840

Deuteranomaly

23.4204, 0.2876, 0.2827

Tritanomaly

23.3396, 0.2921, 0.3000

Monochromacy



Original Color

23.5265, 0.2855, 0.2841

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7448, 0.3024, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5265, 0.2855, 0.2841 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(131, 131, 158)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 131, 158) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 23.5265, 0.2855, 0.2841 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(131, 131, 158) }
```

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

```
.border{ border-color:rgb(131, 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(131, 131, 158)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 23.5265, 0.2855, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(131,  
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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