

Converting Colors

$Y_{xy}(23.8512, 0.2964, 0.2717)$

Have a look what the booklet for
Yxy(23.8512, 0.2964, 0.2717)
contains.

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Color

Yxy(23.9341, 0.2965, 0.2723)

Conversions

Conversions Part 1

Format	Color
Hex	927FA3
RGB	146, 127, 163
RGB Percent	57%, 50%, 64%
CMY	0.4273, 0.5020, 0.3607
CMYK	0.10, 0.22, 0.00, 0.36
HSL	272°, 16%, 57%
HSV	272°, 22%, 64%
XYZ	26.0612, 23.9341, 37.9008
YIQ	136.7850, -0.2320, 15.2240

Conversions

Conversions Part 2

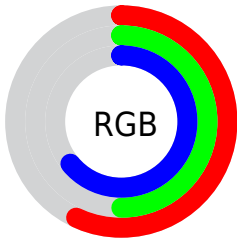
Format	Color
R_{YB}	146, 127, 163
Decimal	9600931
CIE _{Lab}	56.02, 14.39, -16.51
CIE _{LCh}	56, 21.904, 311.071
Yxy	23.9341, 0.2965, 0.2723
Android (android.graphics.Color)	4287791011 (0xFF927FA3)
YUV	136.7850, 12.9240, 8.0816
Hunter-Lab	48.9225, 9.4732, -11.6869

Details

The Yxy color $23.9341, 0.2965, 0.2723$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $33.6543, 0.3261, 0.3862$, and the grayscale version is $24.8837, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9838, 0.3000, 0.2840$, and $9.0294, 0.2898, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $19.3800, 0.2873, 0.2441$, and if you desaturate by 10%, it is $29.2186, 0.3045, 0.2991$.

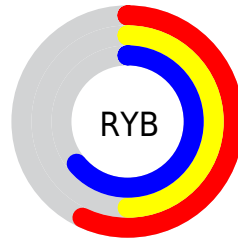
Distribution



Red (57%)

Green (50%)

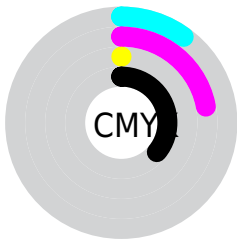
Blue (64%)



Red (57%)

Yellow (50%)

Blue (64%)

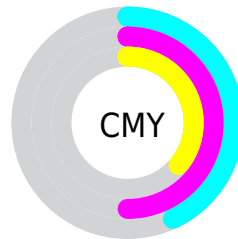


Cyan (10%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (43%)


Magenta (50%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9341, 0.2965, 0.2723 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 23.9341, 0.2965, 0.2723 by changing the saturation by 10% instead.


 23.9341, 0.2965,
0.2723


 23.9341, 0.2965,
0.2723


272.4871, 0.3058,
0.3027


 15.2847, 0.2937,
0.2640


 49.9226, 0.3002,
0.2838

 9.0195, 0.2898,
0.2530


 68.0306, 0.3015,
0.2880

 4.7539, 0.2839,
0.2375

 90.0602, 0.3026,
0.2915

 2.1036, 0.2742,
0.2143

116.3959, 0.3034,
0.2944

 0.6666, 0.2572,
0.1727

147.4221, 0.3042,
0.2969

 0.0000, 0.0000,
0.0000

183.5231, 0.3048,

0.2991

225.0833, 0.3054,
0.3010

■ 23.9341, 0.2965,
0.2723

■ 23.9341, 0.2965,
0.2723

■ 19.3800, 0.2873,
0.2441

■ 29.2186, 0.3045,
0.2991

■ 15.5197, 0.2769,
0.2153

■ 35.2620, 0.3114,
0.3240

■ 12.3179, 0.2656,
0.1868

■ 42.0947, 0.3172,
0.3469

■ 9.7348, 0.2535,
0.1599

■ 49.7448, 0.3221,
0.3677

■ 7.7261, 0.2412,
0.1359

■ 58.2386, 0.3262,
0.3865

6.2415, 0.2290,
0.1161

67.6016, 0.3295,
0.4033

5.2215, 0.2175,
0.1014

77.8581, 0.3323,
0.4183

4.6355, 0.2090,
0.0925

87.4947, 0.3350,
0.4296

88.6304, 0.3401,
0.4279

Harmonies

Analogous

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



23.9341, 0.2641, 0.2668



23.9341, 0.2965, 0.2723



23.9341, 0.3354, 0.2907

Triad

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



23.9341, 0.2965, 0.2723



23.9341, 0.3843, 0.3778



23.9341, 0.2581, 0.3367

Complementary

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



23.9341, 0.2965, 0.2723



33.6543, 0.3261, 0.3862

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.



23.9341, 0.2877, 0.3724



23.9341, 0.2965, 0.2723



23.9341, 0.3609, 0.3956

Square

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



23.9341, 0.2965, 0.2723



23.9341, 0.3879, 0.3493



23.9341, 0.3253, 0.3946



23.9341, 0.2430, 0.3012

Rectangle

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



23.9341, 0.2965, 0.2723



23.9341, 0.3595, 0.3082



23.9341, 0.3253, 0.3946



23.9341, 0.2666, 0.3493

Sweetspot

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



23.9351, 0.2965, 0.2723



57.5261, 0.3081, 0.3117



27.2227, 0.2785, 0.2985



12.7864, 0.3077, 0.3103



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.9351, 0.2965, 0.2723



38.2964, 0.2917, 0.2572



25.5858, 0.3159, 0.2763



7.0357, 0.3066, 0.3063



3.6294, 0.2099, 0.0930



0.1041, 0.2501, 0.1151

Inverse Universe

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



24.9745, 0.3364, 0.3030



40.5762, 0.3438, 0.2963



32.2564, 0.3094, 0.3880



7.1389, 0.3215, 0.3185



6.4743, 0.5041, 0.2551



0.1456, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 23.9341, 0.2965, 0.2723 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 23.9341, 0.2965, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

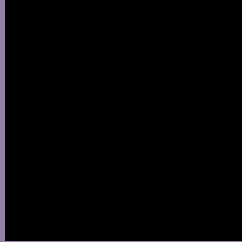
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9341, 0.2965, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 23.9341, 0.2965, 0.2723.



This preview shows how white text looks on a background with the Yxy color 23.9341, 0.2965, 0.2723.

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

23.9341, 0.2965, 0.2723

Protanopia

24.0007, 0.2727, 0.2731

Deuteranopia

23.9096, 0.2849, 0.2784



Tritanopia

23.9953, 0.3158, 0.3124

Trichromacy



Original Color

23.9341, 0.2965, 0.2723

Protanomaly

23.9723, 0.2802, 0.2723

Deuteranomaly

23.9772, 0.2890, 0.2773

Tritanomaly

24.0645, 0.3085, 0.2981

Monochromacy



Original Color

23.9341, 0.2965, 0.2723

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4258, 0.3070, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9341, 0.2965, 0.2723 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(146, 127, 163)` looks like.

```
.text, #text, p{  
    color:rgb(146, 127, 163)  
}
```

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(146, 127, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 127, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.9341, 0.2965, 0.2723 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(146, 127, 163) }
```

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

```
.border{ border-color:rgb(146, 127, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 127, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 127, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 127, 163);  
box-shadow:4px 4px 4px 4px rgb(146, 127,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9341, 0.2965, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 127, 163) }
```

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

```
.background{ background-color: rgb(146,  
127, 163) }
```

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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