

Converting Colors

$Y_{xy}(27.6733, 0.2637, 0.2418)$

Have a look what the booklet for
Yxy(27.6733, 0.2637, 0.2418)
contains.

Yxy(27.6733, 0.2637, 0.2418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6733, 0.2637, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	8E89C5
RGB	142, 137, 197
RGB Percent	56%, 54%, 77%
CMY	0.4432, 0.4627, 0.2273
CMYK	0.28, 0.30, 0.00, 0.23
HSL	245°, 34%, 65%
HSV	245°, 30%, 77%
XYZ	30.1797, 27.6733, 56.5941
YIQ	145.3350, -16.2800, 19.7200

Conversions

Conversions Part 2

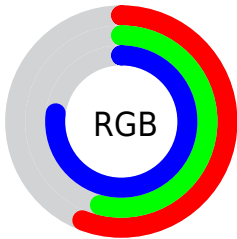
Format	Color
R_{YB}	142, 137, 197
Decimal	9341381
CIE _{Lab}	59.59, 15.28, -30.47
CIE _{LCh}	60, 34.090, 296.632
Yxy	27.6733, 0.2637, 0.2418
Android (android.graphics.Color)	4287531461 (0xFF8E89C5)
YUV	145.3350, 25.4708, -2.9248
Hunter-Lab	52.6054, 10.3458, -26.9617

Details

The Yxy color $27.6733, 0.2637, 0.2418$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $52.9676, 0.3539, 0.4054$, and the grayscale version is $28.3580, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.8530, 0.2739, 0.2579$, and $10.9732, 0.2467, 0.2152$ is the 20% darker color. If you saturate the color by 10%, you get $21.1041, 0.2441, 0.2079$, and if you desaturate by 10%, it is $35.5266, 0.2817, 0.2735$.

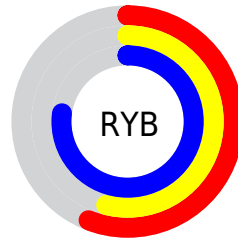
Distribution



Red (56%)

Green (54%)

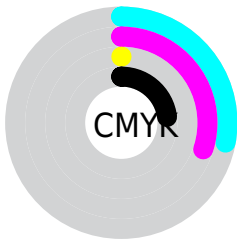
Blue (77%)



Red (56%)

Yellow (54%)

Blue (77%)

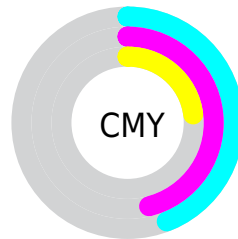


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (44%)


Magenta (46%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6733, 0.2637, 0.2418 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 27.6733, 0.2637, 0.2418 by changing the saturation by 10% instead.


 27.6733, 0.2637,
0.2418


 27.6733, 0.2637,
0.2418


290.9025, 0.2903,
0.2866


 18.0795, 0.2564,
0.2304


 55.9624, 0.2738,
0.2583

 11.0071, 0.2468,
0.2157


 75.4266, 0.2775,
0.2644

 6.0716, 0.2333,
0.1961


 98.9496, 0.2806,
0.2696

 2.8887, 0.2137,
0.1691

126.9160, 0.2831,
0.2740

 1.0739, 0.1830,
0.1305

159.7101, 0.2853,
0.2778

 0.0000, 0.1139,
0.0000

197.7163, 0.2872,

 0.0000, 0.0000,

0.2811

0.0000

241.3189, 0.2889,
0.2840

■ 27.6733, 0.2637,
0.2418

■ 27.6733, 0.2637,
0.2418

■ 21.1041, 0.2441,
0.2079

■ 35.5266, 0.2817,
0.2735

■ 15.7476, 0.2237,
0.1732

■ 44.7238, 0.2979,
0.3023

■ 11.5303, 0.2036,
0.1397

■ 55.3251, 0.3121,
0.3279

■ 8.3694, 0.1852,
0.1098

■ 67.3858, 0.3244,
0.3503

■ 6.1709, 0.1699,
0.0860

■ 80.9584, 0.3350,
0.3699

■ 4.8241, 0.1588,
0.0699

■ 95.9499, 0.3441,
0.3866

■ 4.1460, 0.1525,
0.0614

■ 96.8128, 0.3472,
0.3860

Harmonies

Analogous

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



27.6733, 0.2266, 0.2429



27.6733, 0.2637, 0.2418



27.6733, 0.3173, 0.2596

Triad

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



27.6733, 0.2637, 0.2418



27.6733, 0.4252, 0.3782



27.6733, 0.2508, 0.3674

Complementary

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



27.6733, 0.2637, 0.2418



52.9676, 0.3539, 0.4054

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.



27.6733, 0.3003, 0.4157



27.6733, 0.2637, 0.2418



27.6733, 0.4021, 0.4154

Square

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



27.6733, 0.2637, 0.2418



27.6733, 0.4154, 0.3342



27.6733, 0.3558, 0.4324



27.6733, 0.2194, 0.3099

Rectangle

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



27.6733, 0.2637, 0.2418



27.6733, 0.3561, 0.2801



27.6733, 0.3558, 0.4324



27.6733, 0.2658, 0.3858

Sweetspot

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



27.6744, 0.2637, 0.2418



82.4460, 0.2999, 0.3059



47.5054, 0.2687, 0.3234



17.0823, 0.2977, 0.3019



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.6744, 0.2637, 0.2418



40.9650, 0.2499, 0.2179



30.5853, 0.2906, 0.2481



10.3288, 0.2995, 0.3052



2.7413, 0.1530, 0.0617



0.1447, 0.1632, 0.0673

Inverse Universe

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



33.5753, 0.3210, 0.2597



53.3536, 0.3233, 0.2438



49.5424, 0.3292, 0.4119



10.8009, 0.3150, 0.3081



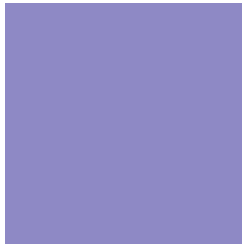
9.9987, 0.3427, 0.1662



0.4780, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 27.6733, 0.2637, 0.2418 looks on a white background.

Color Contrast Check

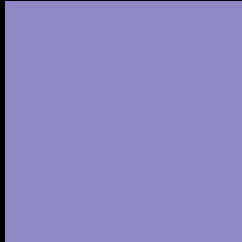
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6733, 0.2637, 0.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

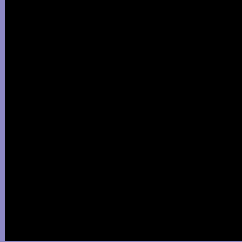
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6733, 0.2637, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 27.6733, 0.2637, 0.2418.



This preview shows how white text looks on a background with the Yxy color 27.6733, 0.2637, 0.2418.

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

27.6733, 0.2637, 0.2418

Protanopia

27.5799, 0.2482, 0.2410

Deuteranopia

27.8436, 0.2527, 0.2479



Tritanopia

27.7194, 0.2913, 0.3111

Trichromacy



Original Color

27.6733, 0.2637, 0.2418

Protanomaly

27.7050, 0.2535, 0.2418

Deuteranomaly

27.6472, 0.2564, 0.2457

Tritanomaly

27.6046, 0.2808, 0.2835

Monochromacy



Original Color

27.6733, 0.2637, 0.2418

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9556, 0.2938, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6733, 0.2637, 0.2418 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(142, 137, 197)` looks like.

```
.text, #text, p{  
    color:rgb(142, 137, 197)  
}
```

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(142, 137, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 137, 197) }
```

Border

The CSS property to change the border of an element to Yxy 27.6733, 0.2637, 0.2418 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(142, 137, 197) }
```

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

```
.border{ border-color:rgb(142, 137, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 137, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 137, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 137, 197);  
box-shadow:4px 4px 4px 4px rgb(142, 137,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6733, 0.2637, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 137, 197) }
```

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

```
.background{ background-color: rgb(142,  
137, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor