

Converting Colors

$Y_{xy}(24.7182, 0.2752, 0.2677)$

Have a look what the booklet for
Yxy(24.7182, 0.2752, 0.2677)
contains.

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Color

Yxy(24.7019, 0.2760, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	8585AB
RGB	133, 133, 171
RGB Percent	52%, 52%, 67%
CMY	0.4784, 0.4784, 0.3294
CMYK	0.22, 0.22, 0.00, 0.33
HSL	240°, 18%, 60%
HSV	240°, 22%, 67%
XYZ	25.4108, 24.7019, 41.9555
YIQ	137.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

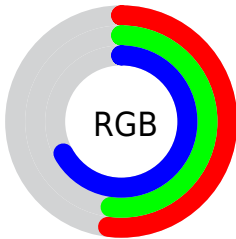
Format	Color
R_{YB}	133, 133, 171
Decimal	8750507
CIE _{Lab}	56.78, 8.38, -20.05
CIE _{LCh}	57, 21.729, 292.688
Yxy	24.7019, 0.2760, 0.2683
Android (android.graphics.Color)	4286940587 (0xFF8585AB)
YUV	137.3320, 16.5983, -3.7992
Hunter-Lab	49.7010, 4.2856, -15.2594

Details

The Yxy color $24.7019, 0.2760, 0.2683$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $39.4756, 0.3455, 0.3833$, and the grayscale version is $25.0884, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.1736, 0.2844, 0.2811$, and $9.5116, 0.2626, 0.2481$ is the 20% darker color. If you saturate the color by 10%, you get $19.1153, 0.2564, 0.2360$, and if you desaturate by 10%, it is $31.2792, 0.2938, 0.2977$.

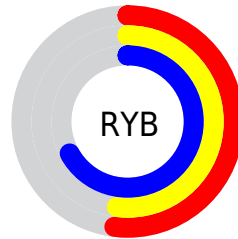
Distribution



Red (52%)

Green (52%)

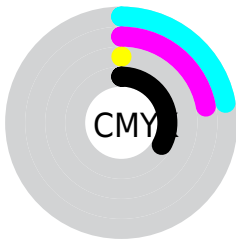
Blue (67%)



Red (52%)

Yellow (52%)

Blue (67%)

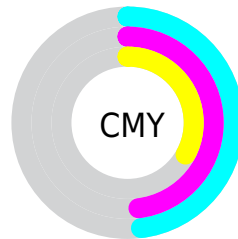


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (48%)

Magenta (48%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7019, 0.2760, 0.2683 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 24.7019, 0.2760, 0.2683 by changing the saturation by 10% instead.

■ 24.7019, 0.2760,
0.2683

■ 24.7019, 0.2760,
0.2683

276.3501, 0.2963,
0.3008

■ 15.8551, 0.2702,
0.2595

■ 51.1732, 0.2839,
0.2807

■ 9.4217, 0.2624,
0.2476

■ 69.5665, 0.2867,
0.2851

■ 5.0172, 0.2511,
0.2312

■ 91.9107, 0.2890,
0.2889

■ 2.2574, 0.2336,
0.2068

118.5903, 0.2909,
0.2920

■ 0.7510, 0.2040,
0.1664

149.9897, 0.2926,
0.2947

■ 0.0000, 0.0000,
0.0000

186.4932, 0.2940,

0.2970

228.4852, 0.2952,
0.2990

■ 24.7019, 0.2760,
0.2683

■ 24.7019, 0.2760,
0.2683

■ 19.1153, 0.2564,
0.2360

■ 31.2792, 0.2938,
0.2977

■ 14.4687, 0.2356,
0.2015

■ 38.8888, 0.3095,
0.3237

■ 10.7112, 0.2144,
0.1664

■ 47.5735, 0.3232,
0.3464

■ 7.7863, 0.1941,
0.1329

■ 57.3728, 0.3351,
0.3661

■ 5.6306, 0.1764,
0.1037

■ 68.3242, 0.3454,
0.3830

■ 4.1718, 0.1628,
0.0811

■ 80.4635, 0.3541,
0.3975

■ 3.3240, 0.1541,
0.0668

■ 93.8249, 0.3617,
0.4099

■ 2.9404, 0.1500,
0.0600

■ 95.7202, 0.3626,
0.4115

Harmonies

Analogous

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



24.7019, 0.2517, 0.2719



24.7019, 0.2760, 0.2683



24.7019, 0.3114, 0.2789

Triad

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



24.7019, 0.2760, 0.2683



24.7019, 0.3877, 0.3606



24.7019, 0.2756, 0.3589

Complementary

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



24.7019, 0.2760, 0.2683



39.4756, 0.3455, 0.3833

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.



24.7019, 0.3105, 0.3872



24.7019, 0.2760, 0.2683



24.7019, 0.3761, 0.3854

Square

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



24.7019, 0.2760, 0.2683



24.7019, 0.3778, 0.3301



24.7019, 0.3474, 0.3965



24.7019, 0.2514, 0.3224

Rectangle

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



24.7019, 0.2760, 0.2683



24.7019, 0.3370, 0.2926



24.7019, 0.3474, 0.3965



24.7019, 0.2864, 0.3699

Sweetspot

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



24.7029, 0.2760, 0.2683



62.7312, 0.3020, 0.3113



37.0280, 0.2809, 0.3299



13.8164, 0.3011, 0.3098



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.7029, 0.2760, 0.2683



38.7666, 0.2659, 0.2516



26.3301, 0.2945, 0.2714



7.7573, 0.2985, 0.3056



2.2167, 0.1500, 0.0600



0.0617, 0.1500, 0.0600

Inverse Universe

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



27.1267, 0.3569, 0.3291



43.9361, 0.3709, 0.3292



37.5553, 0.3279, 0.3865



8.0154, 0.3286, 0.3290



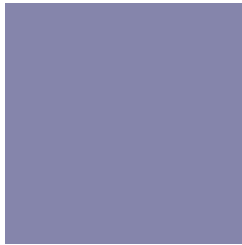
6.5268, 0.6401, 0.3300



0.1816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 24.7019, 0.2760, 0.2683 looks on a white background.

Color Contrast Check

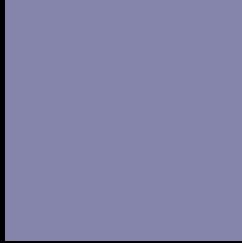
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7019, 0.2760, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

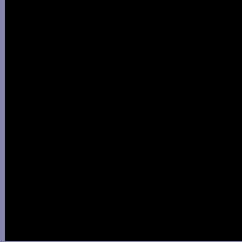
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7019, 0.2760, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 24.7019, 0.2760, 0.2683.



This preview shows how white text looks on a background with the Yxy color 24.7019, 0.2760, 0.2683.

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

24.7019, 0.2760, 0.2683

Protanopia

24.8185, 0.2697, 0.2692

Deuteranopia

24.5406, 0.2741, 0.2680



Tritanopia

24.6966, 0.2933, 0.3103

Trichromacy



Original Color

24.7019, 0.2760, 0.2683

Protanomaly

24.6959, 0.2714, 0.2679

Deuteranomaly

24.6209, 0.2750, 0.2681

Tritanomaly

24.7544, 0.2868, 0.2956

Monochromacy



Original Color

24.7019, 0.2760, 0.2683

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.0125, 0.2996, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7019, 0.2760, 0.2683 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(133, 133, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 171)  
}
```

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(133, 133, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 171) }
```

Border

The CSS property to change the border of an element to Yxy 24.7019, 0.2760, 0.2683 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(133, 133, 171) }
```

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

```
.border{ border-color:rgb(133, 133, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 133, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 133, 171); box-shadow:4px 4px 4px 4px rgb(133, 133, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7019, 0.2760, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 171) }
```

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

```
.background{ background-color: rgb(133,  
133, 171) }
```

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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