

Converting Colors

$Y_{xy}(24.7783, 0.2643, 0.2732)$

Have a look what the booklet for
Yxy(24.7783, 0.2643, 0.2732)
contains.

Yxy(24.8247, 0.2644, 0.2730)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8247, 0.2644, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	7889AB
RGB	120, 137, 171
RGB Percent	47%, 54%, 67%
CMY	0.5295, 0.4627, 0.3293
CMYK	0.30, 0.20, 0.00, 0.33
HSL	220°, 23%, 57%
HSV	220°, 30%, 67%
XYZ	24.0427, 24.8247, 42.0656
YIQ	135.7930, -21.0460, 6.9700

Conversions

Conversions Part 2

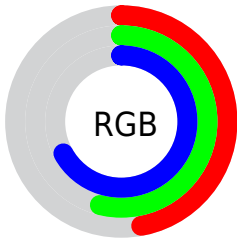
Format	Color
R _Y B	120, 133, 171
Decimal	7899563
CIE Lab	56.90, 1.97, -19.97
CIE LCh	57, 20.064, 275.647
Yxy	24.8247, 0.2644, 0.2730
Android (android.graphics.Color)	4286089643 (0xFF7889AB)
YUV	135.7930, 17.3571, -13.8505
Hunter-Lab	49.8244, -1.0578, -15.1801

Details

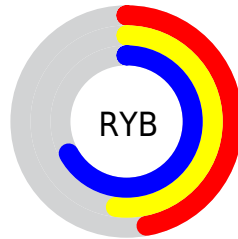
The Yxy color $24.8247, 0.2644, 0.2730$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $33.1322, 0.3634, 0.3792$, and the grayscale version is $24.4791, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.2021, 0.2746, 0.2848$, and $9.4504, 0.2470, 0.2520$ is the 20% darker color. If you saturate the color by 10%, you get $20.6381, 0.2468, 0.2504$, and if you desaturate by 10%, it is $29.5742, 0.2815, 0.2938$.

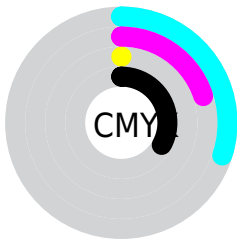
Distribution



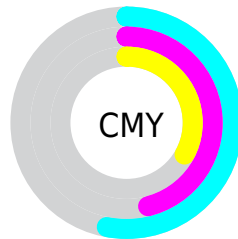
- Red (47%)
- Green (54%)
- Blue (67%)



- Red (47%)
- Yellow (52%)
- Blue (67%)



- Cyan (30%)
- Magenta (20%)
- Yellow (0%)
- Black (33%)



- Cyan (53%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8247, 0.2644, 0.2730 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 24.8247, 0.2644, 0.2730 by changing the saturation by 10% instead.

■ 24.8247, 0.2644,
0.2730

■ 24.8247, 0.2644,
0.2730

276.9638, 0.2908,
0.3034

■ 15.9465, 0.2570,
0.2646

■ 51.3727, 0.2745,
0.2846

■ 9.4863, 0.2471,
0.2533

■ 69.8113, 0.2782,
0.2888

■ 5.0597, 0.2330,
0.2375

■ 92.2054, 0.2812,
0.2923

■ 2.2823, 0.2116,
0.2136

118.9396, 0.2837,
0.2952

■ 0.7643, 0.1761,
0.1737

150.3981, 0.2859,
0.2977

■ 0.0000, 0.0000,
0.0000

186.9654, 0.2877,

0.2998

229.0258, 0.2893,
0.3017

■ 24.8247, 0.2644,
0.2730

■ 24.8247, 0.2644,
0.2730

■ 20.6381, 0.2468,
0.2504

■ 29.5742, 0.2815,
0.2938

■ 16.9893, 0.2291,
0.2262

■ 34.9046, 0.2977,
0.3125

■ 13.8554, 0.2121,
0.2010

■ 40.8366, 0.3129,
0.3292

■ 11.2105, 0.1963,
0.1758

■ 47.3890, 0.3270,
0.3440

■ 9.0263, 0.1827,
0.1514

■ 54.5798, 0.3399,
0.3570

■ 7.2705, 0.1719,
0.1289

■ 62.4260, 0.3516,
0.3684

■ 5.8885, 0.1637,
0.1092

■ 70.9443, 0.3623,
0.3783

■ 5.8689, 0.1636,
0.1089

■ 79.8057, 0.3706,
0.3872

■ 86.2949, 0.3671,
0.3978

Harmonies

Analogous

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



24.8247, 0.2497, 0.2846



24.8247, 0.2644, 0.2730



24.8247, 0.2921, 0.2754

Triad

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



24.8247, 0.2644, 0.2730



24.8247, 0.3790, 0.3426



24.8247, 0.2961, 0.3729

Complementary

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



24.8247, 0.2644, 0.2730



33.1322, 0.3634, 0.3792

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.



24.8247, 0.3306, 0.3897



24.8247, 0.2644, 0.2730



24.8247, 0.3796, 0.3694

Square

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



24.8247, 0.2644, 0.2730



24.8247, 0.3594, 0.3143



24.8247, 0.3614, 0.3875



24.8247, 0.2672, 0.3423

Rectangle

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



24.8247, 0.2644, 0.2730



24.8247, 0.3151, 0.2842



24.8247, 0.3614, 0.3875



24.8247, 0.3074, 0.3805

Sweetspot

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



24.8257, 0.2644, 0.2730



63.1815, 0.2988, 0.3137



35.4336, 0.2834, 0.3576



13.7706, 0.2966, 0.3112



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.



24.8257, 0.2644, 0.2730



39.2456, 0.2525, 0.2578



20.9332, 0.2689, 0.2456



8.1772, 0.2986, 0.3135



4.5109, 0.1641, 0.1107



0.2277, 0.1818, 0.1746

Inverse Universe

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



23.8974, 0.3560, 0.3035



37.6970, 0.3699, 0.2975



38.3176, 0.3493, 0.4039



8.0578, 0.3236, 0.3215



6.7584, 0.5601, 0.2859



0.1983, 0.4750, 0.2391

Previews

White Background



This preview shows how the Yxy color 24.8247, 0.2644, 0.2730 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 24.8247, 0.2644, 0.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

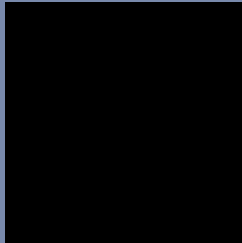
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

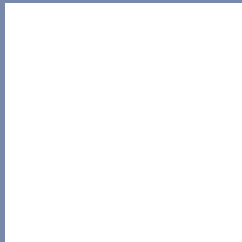
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.8247, 0.2644, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 24.8247, 0.2644, 0.2730.

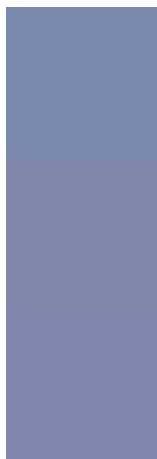


This preview shows how white text looks on a background with the Yxy color 24.8247, 0.2644, 0.2730.

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

24.8247, 0.2644, 0.2730

Protanopia

24.8194, 0.2723, 0.2723

Deuteranopia

24.8540, 0.2733, 0.2682



Tritanopia

24.7362, 0.2771, 0.3081

Trichromacy



Original Color

24.8247, 0.2644, 0.2730

Protanomaly

24.8706, 0.2696, 0.2735

Deuteranomaly

24.8185, 0.2697, 0.2692

Tritanomaly

24.7503, 0.2719, 0.2948

Monochromacy



Original Color

24.8247, 0.2644, 0.2730

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5241, 0.2933, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8247, 0.2644, 0.2730 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(120, 137, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 137, 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(120, 137, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 137, 171) }
```

Border

The CSS property to change the border of an element to Yxy 24.8247, 0.2644, 0.2730 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(120, 137, 171) }
```

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

```
.border{ border-color:rgb(120, 137, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 137, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 137, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 137, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 137,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8247, 0.2644, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 137, 171) }
```

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

```
.background{ background-color: rgb(120,  
137, 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](#).

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