

Converting Colors

$Y_{xy}(24.8778, 0.2823, 0.2833)$

Have a look what the booklet for
Yxy(24.8778, 0.2823, 0.2833)
contains.

Yxy(24.8778, 0.2823, 0.2833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8778, 0.2823, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	8487A3
RGB	132, 135, 163
RGB Percent	52%, 53%, 64%
CMY	0.4824, 0.4706, 0.3608
CMYK	0.19, 0.17, 0.00, 0.36
HSL	234°, 14%, 58%
HSV	234°, 19%, 64%
XYZ	24.7900, 24.8778, 38.1465
YIQ	137.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

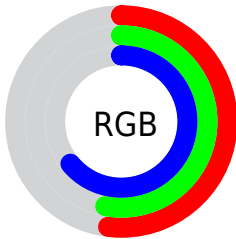
Format	Color
R_{YB}	132, 135, 163
Decimal	8685475
CIE _{Lab}	56.96, 4.99, -15.21
CIE _{LCh}	57, 16.005, 288.180
Yxy	24.8778, 0.2823, 0.2833
Android (android.graphics.Color)	4286875555 (0xFF8487A3)
YUV	137.2950, 12.6726, -4.6437
Hunter-Lab	49.8777, 1.4315, -10.4308

Details

The Yxy color $24.8778, 0.2823, 0.2833$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $34.5922, 0.3414, 0.3709$, and the grayscale version is $25.0881, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.3427, 0.2885, 0.2925$, and $9.4385, 0.2712, 0.2667$ is the 20% darker color. If you saturate the color by 10%, you get $19.8384, 0.2639, 0.2551$, and if you desaturate by 10%, it is $30.6924, 0.2991, 0.3087$.

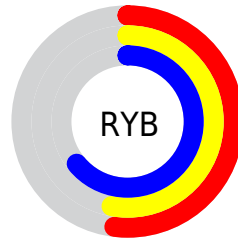
Distribution



Red (52%)

Green (53%)

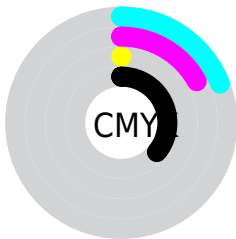
Blue (64%)



Red (52%)

Yellow (53%)

Blue (64%)

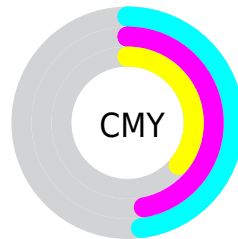


Cyan (19%)

Magenta (17%)

Yellow (0%)

Black (36%)



Cyan (48%)

Magenta (47%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8778, 0.2823, 0.2833 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 24.8778, 0.2823, 0.2833 by changing the saturation by 10% instead.

■ 24.8778, 0.2823,
0.2833

■ 24.8778, 0.2823,
0.2833

■ 277.2288, 0.2991,
0.3080

■ 15.9860, 0.2775,
0.2764

■ 51.4589, 0.2888,
0.2928

■ 9.5143, 0.2710,
0.2672

■ 69.9170, 0.2911,
0.2962

■ 5.0781, 0.2615,
0.2541

■ 92.3328, 0.2930,
0.2990

■ 2.2932, 0.2468,
0.2341

■ 119.0904, 0.2946,
0.3014

■ 0.7701, 0.2211,
0.1994

■ 150.5745, 0.2960,
0.3034

■ 0.0000, 0.0000,
0.0000

187.1693, 0.2972,

0.3052

229.2593, 0.2982,
0.3067

■ 24.8778, 0.2823,
0.2833

■ 24.8778, 0.2823,
0.2833

■ 19.8384, 0.2639,
0.2551

■ 30.6924, 0.2991,
0.3087

■ 15.5385, 0.2443,
0.2245

■ 37.3099, 0.3141,
0.3311

■ 11.9441, 0.2241,
0.1924

■ 44.7602, 0.3274,
0.3507

■ 9.0173, 0.2043,
0.1601

■ 53.0711, 0.3392,
0.3677

■ 6.7167, 0.1861,
0.1297

■ 62.2688, 0.3494,
0.3824

■ 4.9964, 0.1709,
0.1031

■ 72.3785, 0.3584,
0.3951

■ 3.8036, 0.1597,
0.0824

■ 83.4243, 0.3662,
0.4061

■ 3.0636, 0.1526,
0.0684

■ 93.9995, 0.3679,
0.4172

■ 3.0096, 0.1521,
0.0674

■ 95.4244, 0.3672,
0.4191

Harmonies

Analogous

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



24.8778, 0.2655, 0.2882



24.8778, 0.2823, 0.2833



24.8778, 0.3078, 0.2896

Triad

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



24.8778, 0.2823, 0.2833



24.8778, 0.3676, 0.3499



24.8778, 0.2890, 0.3544

Complementary

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



24.8778, 0.2823, 0.2833



34.5922, 0.3414, 0.3709

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.



24.8778, 0.3157, 0.3730



24.8778, 0.2823, 0.2833



24.8778, 0.3617, 0.3689

Square

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



24.8778, 0.2823, 0.2833



24.8778, 0.3580, 0.3269



24.8778, 0.3424, 0.3780



24.8778, 0.2692, 0.3286

Rectangle

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



24.8778, 0.2823, 0.2833



24.8778, 0.3266, 0.2992



24.8778, 0.3424, 0.3780



24.8778, 0.2974, 0.3619

Sweetspot

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



24.8788, 0.2823, 0.2833



58.2647, 0.3036, 0.3155



33.6352, 0.2873, 0.3338



12.9282, 0.3027, 0.3141



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.



24.8788, 0.2823, 0.2833



40.4116, 0.2744, 0.2712



25.1111, 0.2948, 0.2801



6.9654, 0.2987, 0.3081



2.3720, 0.1523, 0.0682



0.0808, 0.1620, 0.1033

Inverse Universe

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



26.0376, 0.3455, 0.3244



42.9448, 0.3552, 0.3233



34.4023, 0.3283, 0.3770



7.0966, 0.3270, 0.3268



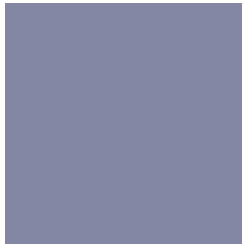
6.0836, 0.6262, 0.3223



0.1310, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 24.8778, 0.2823, 0.2833 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 24.8778, 0.2823, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

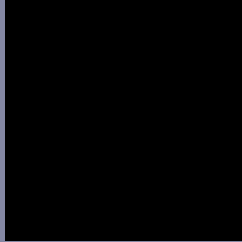
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

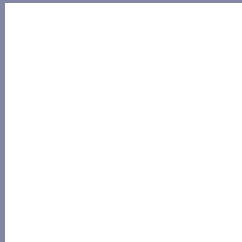
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.8778, 0.2823, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 24.8778, 0.2823, 0.2833.



This preview shows how white text looks on a background with the Yxy color 24.8778, 0.2823, 0.2833.

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

24.8778, 0.2823, 0.2833

Protanopia

24.7976, 0.2813, 0.2832

Deuteranopia

24.7378, 0.2872, 0.2807



Tritanopia

24.9822, 0.2933, 0.3120

Trichromacy



Original Color

24.8778, 0.2823, 0.2833

Protanomaly

24.7976, 0.2813, 0.2832

Deuteranomaly

24.8454, 0.2852, 0.2820

Tritanomaly

24.9371, 0.2896, 0.3022

Monochromacy



Original Color

24.8778, 0.2823, 0.2833

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8345, 0.3015, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8778, 0.2823, 0.2833 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(132, 135, 163)` looks like.

```
.text, #text, p{  
    color:rgb(132, 135, 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(132, 135, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 135, 163) }
```

Border

The CSS property to change the border of an element to Yxy 24.8778, 0.2823, 0.2833 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(132, 135, 163) }
```

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

```
.border{ border-color:rgb(132, 135, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 135, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 135, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 135, 163);  
box-shadow:4px 4px 4px 4px rgb(132, 135,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8778, 0.2823, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 135, 163) }
```

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

```
.background{ background-color: rgb(132,  
135, 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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