

Converting Colors

$Y_{xy}(26.8698, 0.2830, 0.3270)$

Have a look what the booklet for
Yxy(26.8698, 0.2830, 0.3270)
contains.

Yxy(26.8571, 0.2833, 0.3272)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8571, 0.2833, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	769394
RGB	118, 147, 148
RGB Percent	46%, 58%, 58%
CMY	0.5371, 0.4235, 0.4196
CMYK	0.20, 0.01, 0.00, 0.42
HSL	182°, 12%, 52%
HSV	182°, 20%, 58%
XYZ	23.2537, 26.8571, 31.9708
YIQ	138.4430, -17.6050, -5.8370

Conversions

Conversions Part 2

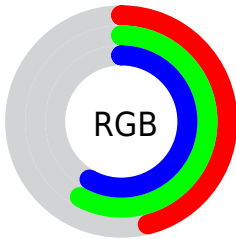
Format	Color
R_{YB}	118, 133, 148
Decimal	7771028
CIE _{Lab}	58.84, -9.87, -3.89
CIE _{LCh}	59, 10.615, 201.520
Yxy	26.8571, 0.2833, 0.3272
Android (android.graphics.Color)	4285961108 (0xFF769394)
YUV	138.4430, 4.7116, -17.9285
Hunter-Lab	51.8238, -10.5975, -0.3001

Details

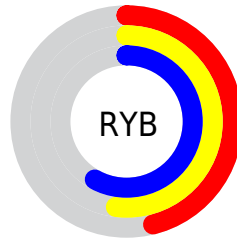
The Yxy color $26.8571, 0.2833, 0.3272$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.8068, 0.3511, 0.3308$, and the grayscale version is $25.5836, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.6955, 0.2896, 0.3277$, and $10.4940, 0.2735, 0.3263$ is the 20% darker color. If you saturate the color by 10%, you get $25.7490, 0.2701, 0.3262$, and if you desaturate by 10%, it is $28.1306, 0.2975, 0.3281$.

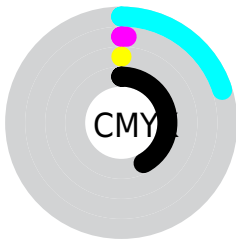
Distribution



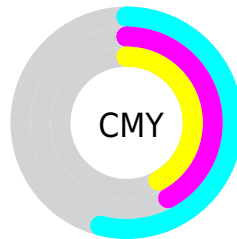
- Red (46%)
- Green (58%)
- Blue (58%)



- Red (46%)
- Yellow (52%)
- Blue (58%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (42%)



- Cyan (54%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8571, 0.2833, 0.3272 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 26.8571, 0.2833, 0.3272 by changing the saturation by 10% instead.

■ 26.8571, 0.2833,
0.3272

■ 26.8571, 0.2833,
0.3272

■ 286.9646, 0.2992,
0.3283

■ 17.4659, 0.2789,
0.3268

■ 54.6545, 0.2894,
0.3277

■ 10.5672, 0.2728,
0.3262

■ 73.8295, 0.2916,
0.3278

■ 5.7766, 0.2642,
0.3253

■ 97.0345, 0.2934,
0.3280

■ 2.7097, 0.2509,
0.3237

■ 124.6540, 0.2950,
0.3281

■ 0.9821, 0.2253,
0.3210

■ 157.0724, 0.2963,
0.3282

■ 0.0000, 0.0000,
0.0000

194.6740, 0.2974,

0.3282

237.8433, 0.2984,
0.3283

■ 26.8571, 0.2833,
0.3272

■ 26.8571, 0.2833,
0.3272

■ 25.7490, 0.2701,
0.3262

■ 28.1306, 0.2975,
0.3281

■ 24.7955, 0.2583,
0.3252

■ 29.5734, 0.3124,
0.3290

■ 23.9895, 0.2479,
0.3241

■ 31.1931, 0.3277,
0.3298

■ 23.3221, 0.2392,
0.3230

■ 32.9960, 0.3433,
0.3305

■ 22.7835, 0.2323,
0.3219

■ 34.9881, 0.3588,
0.3311

■ 22.3624, 0.2272,
0.3209

■ 37.1752, 0.3741,
0.3317

■ 22.0458, 0.2239,
0.3198

■ 39.5627, 0.3890,
0.3322

■ 21.8042, 0.2219,
0.3188

■ 42.1559, 0.4035,
0.3326

■ 44.9597, 0.4173,
0.3330

Harmonies

Analogous

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



26.8571, 0.2957, 0.3436



26.8571, 0.2833, 0.3272



26.8571, 0.2786, 0.3119

Triad

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



26.8571, 0.2833, 0.3272



26.8571, 0.3117, 0.3039



26.8571, 0.3434, 0.3561

Complementary

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



26.8571, 0.2833, 0.3272



20.8068, 0.3511, 0.3308

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.



26.8571, 0.3481, 0.3446



26.8571, 0.2833, 0.3272



26.8571, 0.3295, 0.3149

Square

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



26.8571, 0.2833, 0.3272



26.8571, 0.2947, 0.2991



26.8571, 0.3430, 0.3296



26.8571, 0.3304, 0.3605

Rectangle

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



26.8571, 0.2833, 0.3272



26.8571, 0.2804, 0.3044



26.8571, 0.3430, 0.3296



26.8571, 0.3460, 0.3529

Sweetspot

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



26.8582, 0.2833, 0.3272



50.6532, 0.3035, 0.3285



26.3522, 0.3097, 0.3820



11.5301, 0.3027, 0.3284



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



26.8582, 0.2833, 0.3272



46.5319, 0.2776, 0.3268



22.6356, 0.2817, 0.3016



6.5295, 0.2990, 0.3282



18.6352, 0.2219, 0.3188



0.2364, 0.2234, 0.3242

Inverse Universe

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



21.3684, 0.3161, 0.2819



35.1724, 0.3169, 0.2719



24.5206, 0.3465, 0.3549



5.9059, 0.3142, 0.3079



7.0746, 0.3292, 0.1587



0.0874, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 26.8571, 0.2833, 0.3272 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 26.8571, 0.2833, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

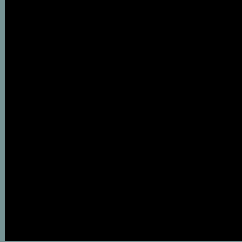
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

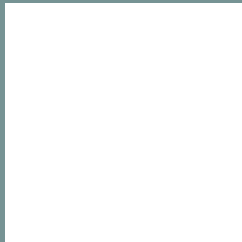
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8571, 0.2833, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 26.8571, 0.2833, 0.3272.



This preview shows how white text looks on a background with the Yxy color 26.8571, 0.2833, 0.3272.

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

26.8571, 0.2833, 0.3272

Protanopia

26.6094, 0.3119, 0.3225

Deuteranopia

26.6726, 0.3148, 0.3085



Tritanopia

26.9852, 0.2773, 0.3104

Trichromacy



Original Color

26.8571, 0.2833, 0.3272

Protanomaly

26.7576, 0.3014, 0.3256

Deuteranomaly

26.7086, 0.3028, 0.3159

Tritanomaly

26.8128, 0.2790, 0.3153

Monochromacy



Original Color

26.8571, 0.2833, 0.3272

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8280, 0.3012, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8571, 0.2833, 0.3272 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(118, 147, 148)` looks like.

```
.text, #text, p{  
    color:rgb(118, 147, 148)  
}
```

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(118, 147, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 147, 148) }
```

Border

The CSS property to change the border of an element to Yxy 26.8571, 0.2833, 0.3272 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(118, 147, 148) }
```

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

```
.border{ border-color:rgb(118, 147, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 147, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 147, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 147, 148);  
box-shadow:4px 4px 4px 4px rgb(118, 147,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8571, 0.2833, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 147, 148) }
```

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

```
.background{ background-color: rgb(118,  
147, 148) }
```

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