

Converting Colors

$Y_{xy}(26.7063, 0.2841, 0.2832)$

Have a look what the booklet for
Yxy(26.7063, 0.2841, 0.2832)
contains.

Yxy(26.6957, 0.2841, 0.2832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.6957, 0.2841, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	8A8BA8
RGB	138, 139, 168
RGB Percent	54%, 55%, 66%
CMY	0.4589, 0.4549, 0.3412
CMYK	0.18, 0.17, 0.00, 0.34
HSL	238°, 15%, 60%
HSV	238°, 18%, 66%
XYZ	26.7805, 26.6957, 40.7882
YIQ	142.0070, -9.9050, 8.8070

Conversions

Conversions Part 2

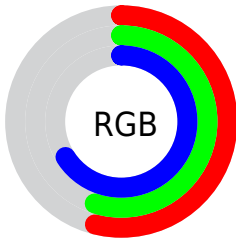
Format	Color
R_{YB}	138, 139, 168
Decimal	9079720
CIE _{Lab}	58.69, 5.84, -15.40
CIE _{LCh}	59, 16.468, 290.787
Yxy	26.6957, 0.2841, 0.2832
Android (android.graphics.Color)	4287269800 (0xFF8A8BA8)
YUV	142.0070, 12.8145, -3.5141
Hunter-Lab	51.6679, 2.1015, -10.6379

Details

The Yxy color $26.6957, 0.2841, 0.2832$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $37.7927, 0.3392, 0.3710$, and the grayscale version is $27.0045, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.2335, 0.2905, 0.2922$, and $10.4804, 0.2742, 0.2673$ is the 20% darker color. If you saturate the color by 10%, you get $21.0160, 0.2655, 0.2532$, and if you desaturate by 10%, it is $33.2971, 0.3009, 0.3101$.

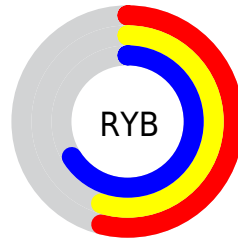
Distribution



Red (54%)

Green (55%)

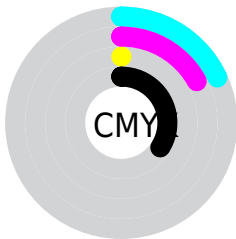
Blue (66%)



Red (54%)

Yellow (55%)

Blue (66%)

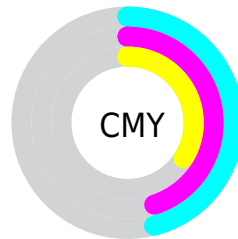


Cyan (18%)

Magenta (17%)

Yellow (0%)

Black (34%)



Cyan (46%)

Magenta (45%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6957, 0.2841, 0.2832 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 26.6957, 0.2841, 0.2832 by changing the saturation by 10% instead.

■ 26.6957, 0.2841,
0.2832

■ 26.6957, 0.2841,
0.2832

■ 286.1807, 0.2997,
0.3077

■ 17.3448, 0.2797,
0.2765

■ 54.3952, 0.2901,
0.2925

■ 10.4806, 0.2737,
0.2676

■ 73.5126, 0.2923,
0.2959

■ 5.7188, 0.2652,
0.2551

■ 96.6542, 0.2941,
0.2987

■ 2.6748, 0.2520,
0.2364

■ 124.2046, 0.2956,
0.3010

■ 0.9644, 0.2294,
0.2056

■ 156.5480, 0.2969,
0.3031

■ 0.0000, 0.0054,
0.0000

■ 194.0689, 0.2979,

■ 0.0000, 0.0000,

0.3048

0.0000

237.1517, 0.2989,
0.3064

■ 26.6957, 0.2841,
0.2832

■ 26.6957, 0.2841,
0.2832

■ 21.0160, 0.2655,
0.2532

■ 33.2971, 0.3009,
0.3101

■ 16.2141, 0.2454,
0.2207

■ 40.8553, 0.3157,
0.3338

■ 12.2470, 0.2246,
0.1866

■ 49.4074, 0.3287,
0.3544

■ 9.0671, 0.2040,
0.1528

■ 58.9875, 0.3400,
0.3723

■ 6.6220, 0.1852,
0.1215

■ 69.6285, 0.3498,
0.3876

■ 4.8529, 0.1695,
0.0951

■ 81.3612, 0.3582,
0.4008

■ 3.6919, 0.1583,
0.0757

■ 94.1031, 0.3650,
0.4123

■ 3.0491, 0.1518,
0.0642

■ 95.6073, 0.3643,
0.4143

■ 2.9507, 0.1507,
0.0624

Harmonies

Analogous

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



26.6957, 0.2663, 0.2871



26.6957, 0.2841, 0.2832



26.6957, 0.3102, 0.2905

Triad

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



26.6957, 0.2841, 0.2832



26.6957, 0.3680, 0.3519



26.6957, 0.2868, 0.3525

Complementary

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



26.6957, 0.2841, 0.2832



37.7927, 0.3392, 0.3710

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.



26.6957, 0.3133, 0.3721



26.6957, 0.2841, 0.2832



26.6957, 0.3607, 0.3703

Square

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



26.6957, 0.2841, 0.2832



26.6957, 0.3596, 0.3289



26.6957, 0.3404, 0.3784



26.6957, 0.2678, 0.3263

Rectangle

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



26.6957, 0.2841, 0.2832



26.6957, 0.3291, 0.3006



26.6957, 0.3404, 0.3784



26.6957, 0.2951, 0.3602

Sweetspot

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



26.6968, 0.2841, 0.2832



64.0457, 0.3052, 0.3170



36.1806, 0.2876, 0.3312



13.7650, 0.3042, 0.3153



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



26.6968, 0.2841, 0.2832



44.6271, 0.2777, 0.2730



27.6284, 0.2976, 0.2834



7.3397, 0.2986, 0.3065



2.2436, 0.1508, 0.0627



0.0669, 0.1542, 0.0752

Inverse Universe

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



28.3637, 0.3453, 0.3276



48.1761, 0.3533, 0.3273



36.7601, 0.3259, 0.3743



7.5463, 0.3280, 0.3283



6.2975, 0.6354, 0.3274



0.1545, 0.6148, 0.3160

Previews

White Background



This preview shows how the Yxy color 26.6957, 0.2841, 0.2832 looks on a white background.

Color Contrast Check

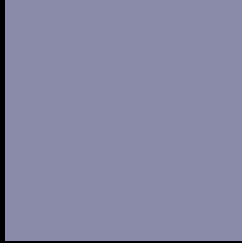
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6957, 0.2841, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

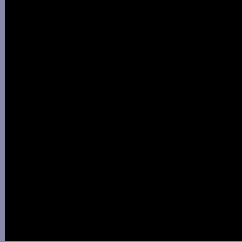
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

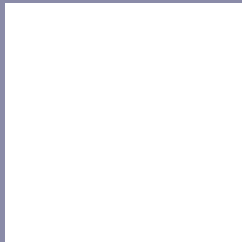
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.6957, 0.2841, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 26.6957, 0.2841, 0.2832.



This preview shows how white text looks on a background with the Yxy color 26.6957, 0.2841, 0.2832.

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

26.6957, 0.2841, 0.2832

Protanopia

26.7716, 0.2804, 0.2830

Deuteranopia

26.6668, 0.2870, 0.2820



Tritanopia

26.7968, 0.2949, 0.3109

Trichromacy



Original Color

26.6957, 0.2841, 0.2832

Protanomaly

26.8550, 0.2814, 0.2831

Deuteranomaly

26.5796, 0.2860, 0.2818

Tritanomaly

26.7526, 0.2913, 0.3014

Monochromacy



Original Color

26.6957, 0.2841, 0.2832

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9468, 0.3029, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6957, 0.2841, 0.2832 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(138, 139, 168)` looks like.

```
.text, #text, p{  
    color:rgb(138, 139, 168)  
}
```

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(138, 139, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 139, 168) }
```

Border

The CSS property to change the border of an element to Yxy 26.6957, 0.2841, 0.2832 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(138, 139, 168) }
```

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

```
.border{ border-color:rgb(138, 139, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 139, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 139, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 139, 168);  
box-shadow:4px 4px 4px 4px rgb(138, 139,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6957, 0.2841, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 139, 168) }
```

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

```
.background{ background-color: rgb(138,  
139, 168) }
```

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