

Converting Colors

$Y_{xy}(26.7999, 0.2952, 0.2616)$

Have a look what the booklet for
Yxy(26.7999, 0.2952, 0.2616)
contains.

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Color

Yxy(26.6760, 0.2957, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	9E83B1
RGB	158, 131, 177
RGB Percent	62%, 51%, 69%
CMY	0.3803, 0.4863, 0.3060
CMYK	0.11, 0.26, 0.00, 0.31
HSL	275°, 23%, 60%
HSV	275°, 26%, 69%
XYZ	30.1533, 26.6760, 45.1432
YIQ	144.3170, 1.3260, 20.0300

Conversions

Conversions Part 2

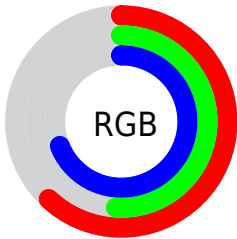
Format	Color
RYB	158, 131, 177
Decimal	10388401
CIELab	58.67, 19.14, -20.39
CIELCh	59, 27.966, 313.200
Yxy	26.6760, 0.2957, 0.2616
Android (android.graphics.Color)	4288578481 (0xFF9E83B1)
YUV	144.3170, 16.1127, 12.0000
Hunter-Lab	51.6488, 13.8252, -15.6678

Details

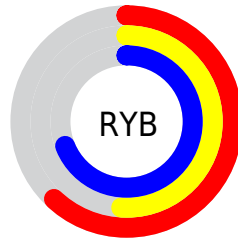
The Yxy color $26.6760, 0.2957, 0.2616$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $39.5550, 0.3260, 0.3982$, and the grayscale version is $27.9586, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.3103, 0.2994, 0.2742$, and $10.4043, 0.2889, 0.2400$ is the 20% darker color. If you saturate the color by 10%, you get $21.6039, 0.2873, 0.2335$, and if you desaturate by 10%, it is $32.6063, 0.3031, 0.2888$.

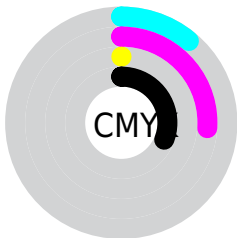
Distribution



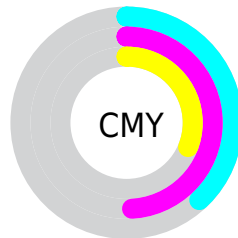
- Red (62%)
- Green (51%)
- Blue (69%)



- Red (62%)
- Yellow (51%)
- Blue (69%)



- Cyan (11%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6760, 0.2957, 0.2616 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 26.6760, 0.2957, 0.2616 by changing the saturation by 10% instead.

■ 26.6760, 0.2957,
0.2616

■ 26.6760, 0.2957,
0.2616

■ 286.0849, 0.3055,
0.2967

■ 17.3300, 0.2928,
0.2524

■ 54.3635, 0.2996,
0.2747

■ 10.4701, 0.2888,
0.2404

■ 73.4739, 0.3009,
0.2795

■ 5.7117, 0.2829,
0.2239

■ 96.6078, 0.3020,
0.2835

■ 2.6706, 0.2734,
0.2004

■ 124.1497, 0.3030,
0.2870

■ 0.9623, 0.2566,
0.1643

■ 156.4839, 0.3037,
0.2899

■ 0.0000, 0.2016,
0.0000

■ 193.9950, 0.3044,

■ 0.0000, 0.0000,

0.2925

0.0000

237.0672, 0.3050,
0.2947

■ 26.6760, 0.2957,
0.2616

■ 26.6760, 0.2957,
0.2616

■ 21.6039, 0.2873,
0.2335

■ 32.6063, 0.3031,
0.2888

■ 17.3446, 0.2778,
0.2052

■ 39.4306, 0.3094,
0.3145

■ 13.8535, 0.2675,
0.1780


■ 47.1865, 0.3148,
0.3383


■ 11.0805, 0.2567,
0.1530


■ 55.9085, 0.3192,
0.3602


■ 8.9689, 0.2457,
0.1316


■ 65.6295, 0.3229,
0.3800

 7.4534, 0.2349,
0.1148

 76.3805, 0.3259,
0.3978

 6.4493, 0.2247,
0.1030

 88.1915, 0.3284,
0.4139

 6.1162, 0.2207,
0.0990

 89.3542, 0.3332,
0.4127

 90.4935, 0.3380,
0.4114

Harmonies

Analogous

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



26.6760, 0.2556, 0.2535



26.6760, 0.2957, 0.2616



26.6760, 0.3436, 0.2845

Triad

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



26.6760, 0.2957, 0.2616



26.6760, 0.3992, 0.3899



26.6760, 0.2440, 0.3347

Complementary

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



26.6760, 0.2957, 0.2616



39.5550, 0.3260, 0.3982

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.



26.6760, 0.2786, 0.3804



26.6760, 0.2957, 0.2616



26.6760, 0.3685, 0.4117

Square

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



26.6760, 0.2957, 0.2616



26.6760, 0.4060, 0.3553



26.6760, 0.3241, 0.4098



26.6760, 0.2276, 0.2914

Rectangle

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



26.6760, 0.2957, 0.2616



26.6760, 0.3731, 0.3058



26.6760, 0.3241, 0.4098



26.6760, 0.2538, 0.3505

Sweetspot

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



26.6771, 0.2957, 0.2616



67.8615, 0.3081, 0.3091



29.8620, 0.2715, 0.2873



14.3035, 0.3072, 0.3054



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



26.6771, 0.2957, 0.2616



42.5616, 0.2911, 0.2460



28.6002, 0.3196, 0.2705



8.4686, 0.3074, 0.3061



4.4688, 0.2218, 0.0995



0.1738, 0.2496, 0.1148

Inverse Universe

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



27.7781, 0.3449, 0.3018



44.9331, 0.3540, 0.2957



38.0058, 0.3064, 0.3955



8.5614, 0.3225, 0.3196



7.1323, 0.5292, 0.2689



0.2361, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 26.6760, 0.2957, 0.2616 looks on a white background.

Color Contrast Check

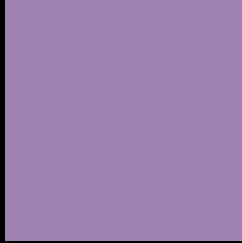
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6760, 0.2957, 0.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

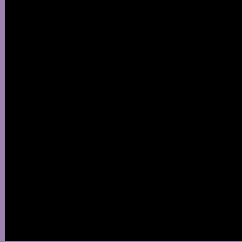
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6760, 0.2957, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 26.6760, 0.2957, 0.2616.



This preview shows how white text looks on a background with the Yxy color 26.6760, 0.2957, 0.2616.

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

26.6760, 0.2957, 0.2616

Protanopia

26.9209, 0.2644, 0.2623

Deuteranopia

26.6299, 0.2761, 0.2699



Tritanopia

26.7702, 0.3201, 0.3133

Trichromacy



Original Color

26.6760, 0.2957, 0.2616

Protanomaly

26.8030, 0.2747, 0.2620

Deuteranomaly

26.4823, 0.2836, 0.2665

Tritanomaly

26.7651, 0.3111, 0.2937

Monochromacy



Original Color

26.6760, 0.2957, 0.2616

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2551, 0.3065, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6760, 0.2957, 0.2616 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(158, 131, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 131, 177)  
}
```

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(158, 131, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 131, 177) }
```

Border

The CSS property to change the border of an element to Yxy 26.6760, 0.2957, 0.2616 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(158, 131, 177) }
```

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

```
.border{ border-color:rgb(158, 131, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 131, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 131, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 131, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 131,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6760, 0.2957, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 131, 177) }
```

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

```
.background{ background-color: rgb(158,  
131, 177) }
```

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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