

Converting Colors

$Y_{xy}(27.7410, 0.2898, 0.2695)$

Have a look what the booklet for
Yxy(27.7410, 0.2898, 0.2695)
contains.

Yxy(27.7410, 0.2898, 0.2695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7410, 0.2898, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	9889B1
RGB	152, 137, 177
RGB Percent	60%, 54%, 69%
CMY	0.4038, 0.4627, 0.3060
CMYK	0.14, 0.23, 0.00, 0.31
HSL	263°, 20%, 62%
HSV	263°, 23%, 69%
XYZ	29.8306, 27.7410, 45.3635
YIQ	146.0450, -3.9000, 15.6200

Conversions

Conversions Part 2

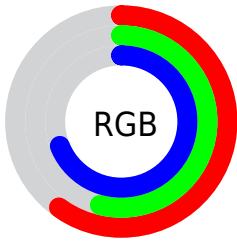
Format	Color
RYB	152, 137, 177
Decimal	9996721
CIELab	59.65, 13.70, -18.94
CIElCh	60, 23.371, 305.874
Yxy	27.7410, 0.2898, 0.2695
Android (android.graphics.Color)	4288186801 (0xFF9889B1)
YUV	146.0450, 15.2608, 5.2225
Hunter-Lab	52.6697, 8.9251, -14.1966

Details

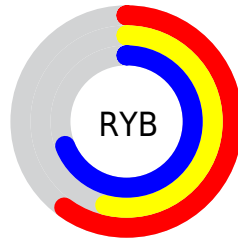
The Yxy color **27.7410, 0.2898, 0.2695** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.9173, 0.3321, 0.3869**, and the grayscale version is **28.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9755, 0.2948, 0.2804**, and **11.0383, 0.2821, 0.2509** is the 20% darker color. If you saturate the color by 10%, you get **22.0994, 0.2772, 0.2398**, and if you desaturate by 10%, it is **34.3094, 0.3009, 0.2973**.

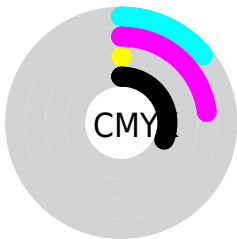
Distribution



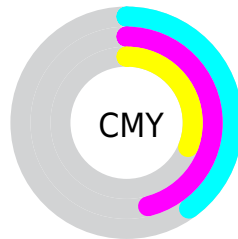
- Red (60%)
- Green (54%)
- Blue (69%)



- Red (60%)
- Yellow (54%)
- Blue (69%)



- Cyan (14%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)




- Cyan (40%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7410, 0.2898, 0.2695 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 27.7410, 0.2898, 0.2695 by changing the saturation by 10% instead.


 27.7410, 0.2898,
0.2695


 27.7410, 0.2898,
0.2695


291.2272, 0.3025,
0.3006


 18.1305, 0.2862,
0.2613


 56.0707, 0.2947,
0.2811

 11.0437, 0.2813,
0.2505


 75.5586, 0.2965,
0.2854

 6.0963, 0.2742,
0.2357


 99.1079, 0.2979,
0.2890

 2.9037, 0.2632,
0.2144

127.1028, 0.2991,
0.2920

 1.0817, 0.2444,
0.1811

159.9278, 0.3002,
0.2946

 0.0000, 0.1843,
0.0000

197.9673, 0.3011,

 0.0000, 0.0000,

0.2969

0.0000

241.6056, 0.3018,
0.2989

■ 27.7410, 0.2898,
0.2695

■ 27.7410, 0.2898,
0.2695

■ 22.0994, 0.2772,
0.2398

■ 34.3094, 0.3009,
0.2973

■ 17.3384, 0.2633,
0.2090

■ 41.8414, 0.3105,
0.3228

■ 13.4127, 0.2482,
0.1782

■ 50.3756, 0.3187,
0.3459

■ 10.2716, 0.2326,
0.1488

■ 59.9476, 0.3256,
0.3665

■ 7.8585, 0.2170,
0.1225

■ 70.5914, 0.3315,
0.3849

6.1092, 0.2023,
0.1011

82.3392, 0.3364,
0.4012

4.9471, 0.1893,
0.0855

91.4106, 0.3417,
0.4104

4.3485, 0.1809,
0.0770

93.2902, 0.3492,
0.4084

95.2876, 0.3567,
0.4064

Harmonies

Analogous

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



27.7410, 0.2589, 0.2665



27.7410, 0.2898, 0.2695



27.7410, 0.3288, 0.2861

Triad

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



27.7410, 0.2898, 0.2695



27.7410, 0.3876, 0.3740



27.7410, 0.2615, 0.3435

Complementary

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



27.7410, 0.2898, 0.2695



40.9173, 0.3321, 0.3869

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.



27.7410, 0.2936, 0.3784



27.7410, 0.2898, 0.2695



27.7410, 0.3669, 0.3946

Square

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



27.7410, 0.2898, 0.2695



27.7410, 0.3874, 0.3441



27.7410, 0.3322, 0.3975



27.7410, 0.2434, 0.3064

Rectangle

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



27.7410, 0.2898, 0.2695



27.7410, 0.3542, 0.3030



27.7410, 0.3322, 0.3975



27.7410, 0.2710, 0.3561

Sweetspot

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



27.7422, 0.2898, 0.2695



68.6259, 0.3063, 0.3115



34.4445, 0.2782, 0.3068



14.7041, 0.3057, 0.3101



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.



27.7422, 0.2898, 0.2695



44.5713, 0.2839, 0.2552



29.7955, 0.3098, 0.2730



8.3805, 0.3042, 0.3059



3.1839, 0.1820, 0.0776



0.1342, 0.2159, 0.0963

Inverse Universe

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



29.8429, 0.3307, 0.2938



49.0412, 0.3355, 0.2858



39.0205, 0.3144, 0.3902



8.5915, 0.3193, 0.3149



7.6080, 0.4420, 0.2208



0.2503, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 27.7410, 0.2898, 0.2695 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 27.7410, 0.2898, 0.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

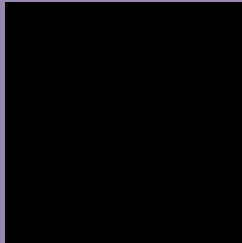
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7410, 0.2898, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 27.7410, 0.2898, 0.2695.



This preview shows how white text looks on a background with the Yxy color 27.7410, 0.2898, 0.2695.

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

27.7410, 0.2898, 0.2695

Protanopia

27.7505, 0.2698, 0.2689

Deuteranopia

27.8471, 0.2802, 0.2753



Tritanopia

27.6456, 0.3083, 0.3101

Trichromacy



Original Color

27.7410, 0.2898, 0.2695

Protanomaly

27.7142, 0.2768, 0.2682

Deuteranomaly

27.9105, 0.2840, 0.2743

Tritanomaly

27.7544, 0.3007, 0.2950

Monochromacy



Original Color

27.7410, 0.2898, 0.2695

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.3751, 0.3044, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7410, 0.2898, 0.2695 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(152, 137, 177)` looks like.

```
.text, #text, p{  
    color:rgb(152, 137, 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(152, 137, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 137, 177) }
```

Border

The CSS property to change the border of an element to Yxy 27.7410, 0.2898, 0.2695 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(152, 137, 177) }
```

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

```
.border{ border-color:rgb(152, 137, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 137, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 137, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 137, 177);  
box-shadow:4px 4px 4px 4px rgb(152, 137,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7410, 0.2898, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 137, 177) }
```

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

```
.background{ background-color: rgb(152,  
137, 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](#).

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