

Converting Colors

$Y_{xy}(21.7223, 0.2887, 0.2502)$

Have a look what the booklet for
Yxy(21.7223, 0.2887, 0.2502)
contains.

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Color

Yxy(21.7133, 0.2890, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	9076A8
RGB	144, 118, 168
RGB Percent	56%, 46%, 66%
CMY	0.4352, 0.5373, 0.3412
CMYK	0.14, 0.30, 0.00, 0.34
HSL	271°, 22%, 56%
HSV	271°, 30%, 66%
XYZ	25.0505, 21.7133, 39.9161
YIQ	131.4740, -0.5540, 21.0620

Conversions

Conversions Part 2

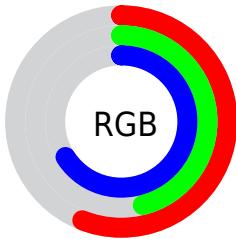
Format	Color
RYB	144, 118, 168
Decimal	9467560
CIELab	53.72, 20.05, -22.93
CIELCh	54, 30.460, 311.168
Yxy	21.7133, 0.2890, 0.2505
Android (android.graphics.Color)	4287657640 (0xFF9076A8)
YUV	131.4740, 18.0073, 10.9853
Hunter-Lab	46.5975, 14.4145, -18.1703

Details

The Yxy color **21.7133, 0.2890, 0.2505** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **35.0614, 0.3309, 0.4082**, and the grayscale version is **22.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0829, 0.2946, 0.2662**, and **7.8444, 0.2786, 0.2231** is the 20% darker color. If you saturate the color by 10%, you get **17.4039, 0.2787, 0.2216**, and if you desaturate by 10%, it is **26.7810, 0.2981, 0.2785**.

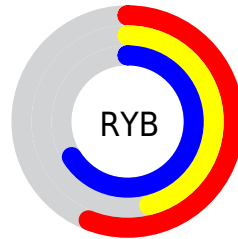
Distribution



Red (56%)

Green (46%)

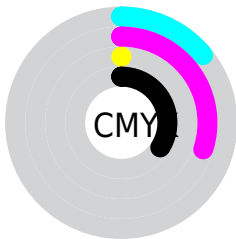
Blue (66%)



Red (56%)

Yellow (46%)

Blue (66%)

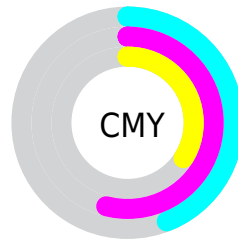


Cyan (14%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (44%)


Magenta (54%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7133, 0.2890, 0.2505 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 21.7133, 0.2890, 0.2505 by changing the saturation by 10% instead.


 21.7133, 0.2890,
0.2505


 21.7133, 0.2890,
0.2505


261.0454, 0.3029,
0.2924


 13.6464, 0.2847,
0.2392


 46.2717, 0.2946,
0.2664

 7.8751, 0.2787,
0.2242


 63.5319, 0.2965,
0.2721

 4.0152, 0.2696,
0.2035


 84.6255, 0.2981,
0.2769

 1.6820, 0.2547,
0.1732

109.9366, 0.2994,
0.2810

 0.4120, 0.2317,
0.1083

139.8498, 0.3005,
0.2844

 0.0000, 0.0000,
0.0000

174.7493, 0.3014,

0.2874

215.0198, 0.3022,
0.2901

■ 21.7133, 0.2890,
0.2505

■ 21.7133, 0.2890,
0.2505

■ 17.4039, 0.2787,
0.2216

■ 26.7810, 0.2981,
0.2785

■ 13.8116, 0.2673,
0.1927

■ 32.6398, 0.3061,
0.3050

■ 10.8953, 0.2551,
0.1651

■ 39.3242, 0.3129,
0.3296

■ 8.6085, 0.2425,
0.1401

■ 46.8656, 0.3186,
0.3520

■ 6.8986, 0.2301,
0.1192

■ 55.2935, 0.3234,
0.3723

■ 5.7040, 0.2182,
0.1032

■ 64.6365, 0.3274,
0.3906

■ 4.8925, 0.2073,
0.0917

■ 74.9215, 0.3307,
0.4070

■ 4.8747, 0.2070,
0.0914

■ 86.1743, 0.3334,
0.4216

■ 89.0261, 0.3382,
0.4223

Harmonies

Analogous

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



21.7133, 0.2441, 0.2423



21.7133, 0.2890, 0.2505



21.7133, 0.3447, 0.2755

Triad

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



21.7133, 0.2890, 0.2505



21.7133, 0.4146, 0.3960



21.7133, 0.2352, 0.3388

Complementary

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



21.7133, 0.2890, 0.2505



35.0614, 0.3309, 0.4082

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.



21.7133, 0.2759, 0.3929



21.7133, 0.2890, 0.2505



21.7133, 0.3799, 0.4242

Square

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



21.7133, 0.2890, 0.2505



21.7133, 0.4210, 0.3553



21.7133, 0.3288, 0.4256



21.7133, 0.2153, 0.2875

Rectangle

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



21.7133, 0.2890, 0.2505



21.7133, 0.3799, 0.2992



21.7133, 0.3288, 0.4256



21.7133, 0.2467, 0.3577

Sweetspot

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



21.7142, 0.2890, 0.2505



59.9143, 0.3065, 0.3065



26.0733, 0.2660, 0.2862



12.7118, 0.3055, 0.3029



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.



21.7142, 0.2890, 0.2505



33.8669, 0.2820, 0.2306



24.0768, 0.3170, 0.2577



7.4854, 0.3064, 0.3062



3.7119, 0.2080, 0.0920



0.1205, 0.2449, 0.1123

Inverse Universe

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



23.2328, 0.3466, 0.2928



37.1886, 0.3574, 0.2841



33.1842, 0.3081, 0.4124



7.6000, 0.3214, 0.3182



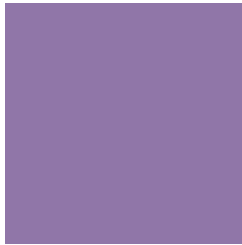
6.7405, 0.5008, 0.2532



0.1744, 0.4268, 0.2125

Previews

White Background



This preview shows how the Yxy color 21.7133, 0.2890, 0.2505 looks on a white background.

Color Contrast Check

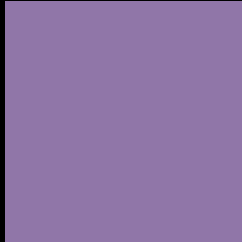
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7133, 0.2890, 0.2505 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 21.7133, 0.2890, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 21.7133, 0.2890, 0.2505.



This preview shows how white text looks on a background with the Yxy color 21.7133, 0.2890, 0.2505.

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

21.7133, 0.2890, 0.2505

Protanopia

21.9187, 0.2547, 0.2493

Deuteranopia

21.7398, 0.2676, 0.2617



Tritanopia

21.8774, 0.3194, 0.3136

Trichromacy



Original Color

21.7133, 0.2890, 0.2505

Protanomaly

21.8295, 0.2670, 0.2506

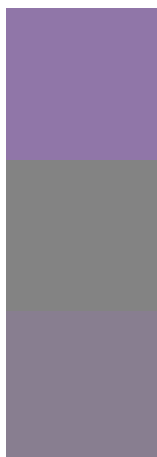
Deuteranomaly

21.6231, 0.2743, 0.2567

Tritanomaly

21.6571, 0.3087, 0.2890

Monochromacy



Original Color

21.7133, 0.2890, 0.2505

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.1696, 0.3049, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7133, 0.2890, 0.2505 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(144, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 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(144, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 168) }
```

Border

The CSS property to change the border of an element to Yxy 21.7133, 0.2890, 0.2505 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(144, 118, 168) }
```

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

```
.border{ border-color:rgb(144, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7133, 0.2890, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 168) }
```

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

```
.background{ background-color: rgb(144,  
118, 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](#).

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