

Converting Colors

$Y_{xy}(21.5695, 0.2900, 0.2492)$

Have a look what the booklet for
Yxy(21.5695, 0.2900, 0.2492)
contains.

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Color

Yxy(21.5695, 0.2900, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	9175A8
RGB	145, 117, 168
RGB Percent	57%, 46%, 66%
CMY	0.4315, 0.5411, 0.3412
CMYK	0.14, 0.30, 0.00, 0.34
HSL	273°, 23%, 56%
HSV	273°, 30%, 66%
XYZ	25.1009, 21.5695, 39.8845
YIQ	131.1860, 0.3170, 21.7970

Conversions

Conversions Part 2

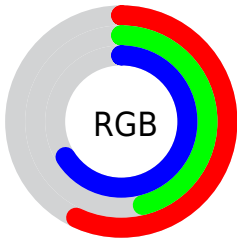
Format	Color
R_{YB}	145, 117, 168
Decimal	9532840
CIE _{Lab}	53.57, 20.93, -23.16
CIE _{LCh}	54, 31.216, 312.108
Yxy	21.5695, 0.2900, 0.2492
Android (android.graphics.Color)	4287722920 (0xFF9175A8)
YUV	131.1860, 18.1493, 12.1149
Hunter-Lab	46.4430, 15.1983, -18.4073

Details

The Yxy color $21.5695, 0.2900, 0.2492$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.8692, 0.3299, 0.4102$, and the grayscale version is $22.7002, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.8458, 0.2954, 0.2652$, and $7.7749, 0.2801, 0.2214$ is the 20% darker color. If you saturate the color by 10%, you get $17.3333, 0.2802, 0.2206$, and if you desaturate by 10%, it is $26.5561, 0.2986, 0.2771$.

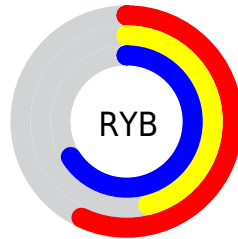
Distribution



Red (57%)

Green (46%)

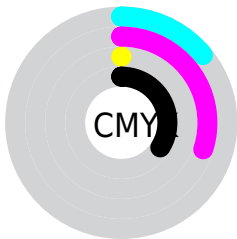
Blue (66%)



Red (57%)

Yellow (46%)

Blue (66%)

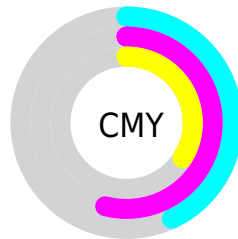


Cyan (14%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (43%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5695, 0.2900, 0.2492 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 21.5695, 0.2900, 0.2492 by changing the saturation by 10% instead.

■ 21.5695, 0.2900,
0.2492

■ 21.5695, 0.2900,
0.2492

260.2898, 0.3034,
0.2918

■ 13.5409, 0.2859,
0.2377

■ 46.0334, 0.2954,
0.2653

■ 7.8021, 0.2800,
0.2225

■ 63.2376, 0.2973,
0.2711

■ 3.9686, 0.2711,
0.2015

■ 84.2690, 0.2988,
0.2760

■ 1.6560, 0.2564,
0.1710

109.5122, 0.3000,
0.2801

■ 0.3949, 0.2341,
0.1042

139.3515, 0.3011,
0.2837

■ 0.0000, 0.0000,
0.0000

174.1712, 0.3020,

0.2867

214.3559, 0.3027,
0.2894

■ 21.5695, 0.2900,
0.2492

■ 21.5695, 0.2900,
0.2492

■ 17.3333, 0.2802,
0.2206

■ 26.5561, 0.2986,
0.2771

■ 13.8065, 0.2695,
0.1921

■ 32.3261, 0.3061,
0.3036

■ 10.9478, 0.2580,
0.1651


■ 38.9137, 0.3125,
0.3282

■ 8.7106, 0.2460,
0.1408


■ 46.3504, 0.3179,
0.3508


■ 7.0422, 0.2342,
0.1206


■ 54.6657, 0.3224,
0.3713


 5.8804, 0.2229,
0.1053

 63.8878, 0.3261,
0.3898

 5.1069, 0.2127,
0.0945

 74.0439, 0.3292,
0.4064

 85.1596, 0.3317,
0.4212

 88.5352, 0.3361,
0.4230

Harmonies

Analogous

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



21.5695, 0.2436, 0.2402



21.5695, 0.2900, 0.2492



21.5695, 0.3473, 0.2752

Triad

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



21.5695, 0.2900, 0.2492



21.5695, 0.4165, 0.3987



21.5695, 0.2322, 0.3372

Complementary

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



21.5695, 0.2900, 0.2492



34.8692, 0.3299, 0.4102

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.



21.5695, 0.2733, 0.3932



21.5695, 0.2900, 0.2492



21.5695, 0.3800, 0.4272

Square

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



21.5695, 0.2900, 0.2492



21.5695, 0.4242, 0.3571



21.5695, 0.3273, 0.4279



21.5695, 0.2127, 0.2848

Rectangle

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



21.5695, 0.2900, 0.2492



21.5695, 0.3833, 0.2997



21.5695, 0.3273, 0.4279



21.5695, 0.2438, 0.3566

Sweetspot

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



21.5704, 0.2900, 0.2492



59.9945, 0.3069, 0.3066



25.6037, 0.2649, 0.2837



12.7318, 0.3060, 0.3030



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.



21.5704, 0.2900, 0.2492



34.1339, 0.2840, 0.2311



23.8156, 0.3181, 0.2575



7.4955, 0.3068, 0.3063



3.8875, 0.2137, 0.0951



0.1243, 0.2491, 0.1146

Inverse Universe

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



22.9465, 0.3493, 0.2941



37.1014, 0.3597, 0.2866



33.1127, 0.3073, 0.4128



7.5966, 0.3218, 0.3188



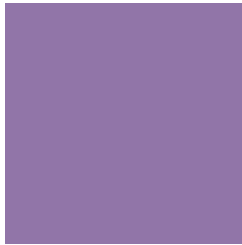
6.6898, 0.5123, 0.2596



0.1732, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 21.5695, 0.2900, 0.2492 looks on a white background.

Color Contrast Check

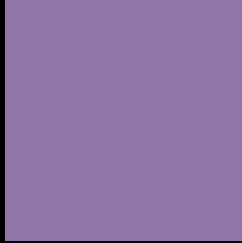
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5695, 0.2900, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

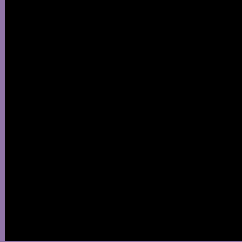
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5695, 0.2900, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 21.5695, 0.2900, 0.2492.



This preview shows how white text looks on a background with the Yxy color 21.5695, 0.2900, 0.2492.

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

21.5695, 0.2900, 0.2492

Protanopia

21.5943, 0.2536, 0.2474

Deuteranopia

21.6680, 0.2666, 0.2615



Tritanopia

21.5977, 0.3207, 0.3135

Trichromacy



Original Color

21.5695, 0.2900, 0.2492

Protanomaly

21.5044, 0.2659, 0.2487

Deuteranomaly

21.6231, 0.2743, 0.2567

Tritanomaly

21.4128, 0.3087, 0.2873

Monochromacy



Original Color

21.5695, 0.2900, 0.2492

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 21.5695, 0.2900, 0.2492 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(145, 117, 168)` looks like.

```
.text, #text, p{  
    color:rgb(145, 117, 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(145, 117, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 117, 168) }
```

Border

The CSS property to change the border of an element to Yxy 21.5695, 0.2900, 0.2492 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(145, 117, 168) }
```

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

```
.border{ border-color:rgb(145, 117, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 117, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 117, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 117, 168);  
box-shadow:4px 4px 4px 4px rgb(145, 117,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5695, 0.2900, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 117, 168) }
```

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

```
.background{ background-color: rgb(145,  
117, 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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