

Converting Colors

$Y_{xy}(22.5145, 0.3291, 0.2910)$

Have a look what the booklet for
Yxy(22.5145, 0.3291, 0.2910)
contains.

Yxy(22.5145, 0.3291, 0.2910)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5145, 0.3291, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	9C7890
RGB	156, 120, 144
RGB Percent	61%, 47%, 56%
CMY	0.3882, 0.5294, 0.4353
CMYK	0.00, 0.23, 0.08, 0.39
HSL	320°, 15%, 54%
HSV	320°, 23%, 61%
XYZ	25.4623, 22.5145, 29.3926
YIQ	133.5000, 13.7520, 15.0960

Conversions

Conversions Part 2

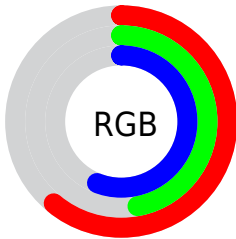
Format	Color
R_{YB}	156, 120, 144
Decimal	10254480
CIE _{Lab}	54.57, 18.15, -7.59
CIE _{LCh}	55, 19.669, 337.309
Yxy	22.5145, 0.3291, 0.2910
Android (android.graphics.Color)	4288444560 (0xFF9C7890)
YUV	133.5000, 5.1765, 19.7325
Hunter-Lab	47.4494, 12.7500, -3.5127

Details

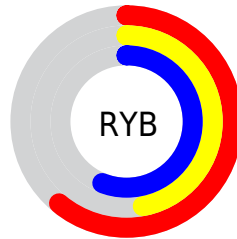
The Yxy color $22.5145, 0.3291, 0.2910$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.4384, 0.2994, 0.3703$, and the grayscale version is $23.6251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.8132, 0.3256, 0.2993$, and $8.2577, 0.3339, 0.2762$ is the 20% darker color. If you saturate the color by 10%, you get $18.9084, 0.3382, 0.2739$, and if you desaturate by 10%, it is $26.7413, 0.3212, 0.3079$.

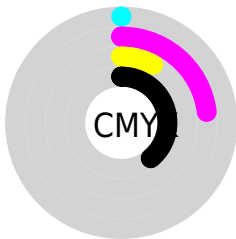
Distribution



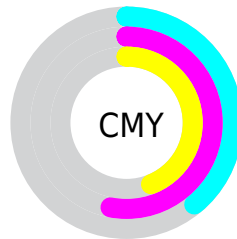
- Red (61%)
- Green (47%)
- Blue (56%)



- Red (61%)
- Yellow (47%)
- Blue (56%)



- Cyan (0%)
- Magenta (23%)
- Yellow (8%)
- Black (39%)





- Cyan (39%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5145, 0.3291, 0.2910 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 22.5145, 0.3291, 0.2910 by changing the saturation by 10% instead.


 22.5145, 0.3291,
0.2910


 22.5145, 0.3291,
0.2910


265.2215, 0.3202,
0.3117

 14.2354, 0.3316,
0.2852


 47.5949, 0.3257,
0.2990

 8.2846, 0.3350,
0.2773


 65.1650, 0.3244,
0.3018

 4.2776, 0.3398,
0.2659

 86.6009, 0.3234,
0.3042

 1.8300, 0.3473,
0.2482

112.2871, 0.3226,
0.3062

 0.5058, 0.3679,
0.2009

142.6078, 0.3219,
0.3079

 0.0000, 0.0000,
0.0000

177.9475, 0.3212,

0.3093

218.6906, 0.3207,
0.3106

■ 22.5145, 0.3291,
0.2910

■ 22.5145, 0.3291,
0.2910

■ 18.9084, 0.3382,
0.2739

■ 26.7413, 0.3212,
0.3079

■ 15.8904, 0.3487,
0.2572

■ 31.6134, 0.3146,
0.3242

■ 13.4292, 0.3605,
0.2417

■ 37.1579, 0.3089,
0.3396

■ 11.4898, 0.3735,
0.2283

■ 43.3993, 0.3042,
0.3540

■ 10.0327, 0.3873,
0.2182

■ 50.3608, 0.3002,
0.3673

■ 9.0133, 0.4016,
0.2122

■ 58.0648, 0.2969,
0.3796

■ 8.3780, 0.4158,
0.2109

■ 66.5324, 0.2942,
0.3909

■ 8.0686, 0.4257,
0.2119

■ 75.7841, 0.2919,
0.4013

■ 82.3412, 0.2897,
0.4053

Harmonies

Analogous

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



22.5145, 0.2937, 0.2753



22.5145, 0.3291, 0.2910



22.5145, 0.3615, 0.3156

Triad

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



22.5145, 0.3291, 0.2910



22.5145, 0.3605, 0.3888



22.5145, 0.2494, 0.3075

Complementary

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



22.5145, 0.3291, 0.2910



29.4384, 0.2994, 0.3703

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.



22.5145, 0.2653, 0.3405



22.5145, 0.3291, 0.2910



22.5145, 0.3289, 0.3901

Square

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



22.5145, 0.3291, 0.2910



22.5145, 0.3799, 0.3712



22.5145, 0.2940, 0.3720



22.5145, 0.2494, 0.2830

Rectangle

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



22.5145, 0.3291, 0.2910



22.5145, 0.3761, 0.3347



22.5145, 0.2940, 0.3720



22.5145, 0.2530, 0.3179

Sweetspot

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



22.5155, 0.3291, 0.2910



53.6779, 0.3171, 0.3176



20.6910, 0.2871, 0.2683



11.7080, 0.3175, 0.3168



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.5155, 0.3291, 0.2910



37.1689, 0.3339, 0.2816



22.0235, 0.3503, 0.3184



6.7170, 0.3186, 0.3142



6.6520, 0.4247, 0.2113



0.1265, 0.3747, 0.1838

Inverse Universe

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



22.5155, 0.3291, 0.2910



37.1689, 0.3339, 0.2816



29.9554, 0.2848, 0.3400



6.7170, 0.3186, 0.3142



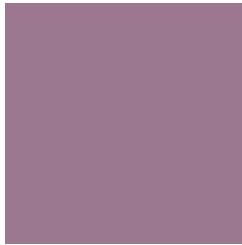
6.6520, 0.4247, 0.2113



0.1265, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 22.5145, 0.3291, 0.2910 looks on a white background.

Color Contrast Check

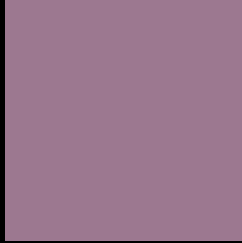
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5145, 0.3291, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

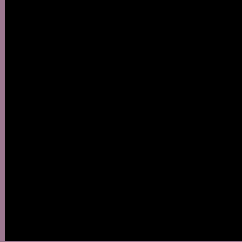
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5145, 0.3291, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 22.5145, 0.3291, 0.2910.



This preview shows how white text looks on a background with the Yxy color 22.5145, 0.3291, 0.2910.

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

22.5145, 0.3291, 0.2910

Protanopia

22.6793, 0.2889, 0.2946

Deuteranopia

22.5652, 0.3082, 0.3020



Tritanopia

22.4550, 0.3406, 0.3128

Trichromacy



Original Color

22.5145, 0.3291, 0.2910

Protanomaly

22.4631, 0.3029, 0.2922

Deuteranomaly

22.4182, 0.3166, 0.2976

Tritanomaly

22.4209, 0.3372, 0.3049

Monochromacy



Original Color

22.5145, 0.3291, 0.2910

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2863, 0.3181, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5145, 0.3291, 0.2910 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(156, 120, 144)` looks like.

```
.text, #text, p{  
    color:rgb(156, 120, 144)  
}
```

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(156, 120, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 120, 144) }
```

Border

The CSS property to change the border of an element to Yxy 22.5145, 0.3291, 0.2910 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(156, 120, 144) }
```

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

```
.border{ border-color:rgb(156, 120, 144) }
```

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

Here you see how a box with a 4 pixel rgb(156, 120, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 120, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 120, 144);  
box-shadow:4px 4px 4px 4px rgb(156, 120,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5145, 0.3291, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 120, 144) }
```

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

```
.background{ background-color: rgb(156,  
120, 144) }
```

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