

Converting Colors

$Y_{xy}(21.4504, 0.2718, 0.2259)$

Have a look what the booklet for
Yxy(21.4504, 0.2718, 0.2259)
contains.

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Color

Yxy(21.4311, 0.2724, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	8E73B7
RGB	142, 115, 183
RGB Percent	56%, 45%, 72%
CMY	0.4432, 0.5490, 0.2824
CMYK	0.22, 0.37, 0.00, 0.28
HSL	264°, 32%, 58%
HSV	264°, 37%, 72%
XYZ	25.8311, 21.4311, 47.5657
YIQ	130.8250, -5.7360, 26.8720

Conversions

Conversions Part 2

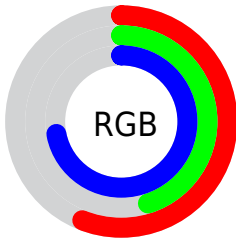
Format	Color
R_{YB}	142, 115, 183
Decimal	9335735
CIE _{Lab}	53.42, 24.65, -32.07
CIE _{LCh}	53, 40.450, 307.554
Yxy	21.4311, 0.2724, 0.2260
Android (android.graphics.Color)	4287525815 (0xFF8E73B7)
YUV	130.8250, 25.7223, 9.8005
Hunter-Lab	46.2937, 18.5859, -28.5134

Details

The Yxy color $21.4311, 0.2724, 0.2260$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $42.1657, 0.3425, 0.4282$, and the grayscale version is $22.5398, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.7397, 0.2820, 0.2461$, and $7.6818, 0.2552, 0.1923$ is the 20% darker color. If you saturate the color by 10%, you get $16.7364, 0.2583, 0.1952$, and if you desaturate by 10%, it is $27.0525, 0.2852, 0.2562$.

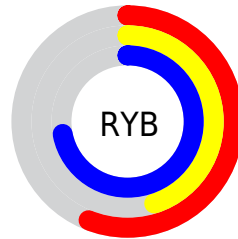
Distribution



Red (56%)

Green (45%)

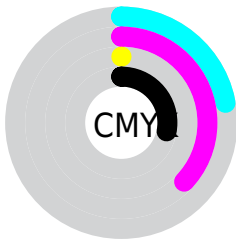
Blue (72%)



Red (56%)

Yellow (45%)

Blue (72%)

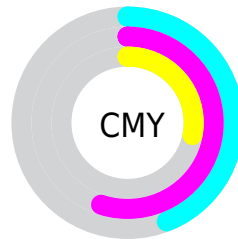


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (28%)



Cyan (44%)

Magenta (55%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4311, 0.2724, 0.2260 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 21.4311, 0.2724, 0.2260 by changing the saturation by 10% instead.

■ 21.4311, 0.2724,
0.2260

■ 21.4311, 0.2724,
0.2260

■ 259.5608, 0.2957,
0.2799

■ 13.4395, 0.2655,
0.2120

■ 45.8039, 0.2817,
0.2461

■ 7.7319, 0.2559,
0.1938

■ 62.9539, 0.2849,
0.2535

■ 3.9239, 0.2419,
0.1695

■ 83.9255, 0.2876,
0.2597

■ 1.6311, 0.2202,
0.1360

■ 109.1030, 0.2897,
0.2649

■ 0.3784, 0.1868,
0.0731

■ 138.8709, 0.2916,
0.2695

■ 0.0000, 0.0000,
0.0000

173.6136, 0.2932,

0.2734

213.7154, 0.2945,
0.2769

■ 21.4311, 0.2724,
0.2260

■ 21.4311, 0.2724,
0.2260

■ 16.7364, 0.2583,
0.1952

■ 27.0525, 0.2852,
0.2562

■ 12.9136, 0.2433,
0.1651

■ 33.6458, 0.2966,
0.2849

■ 9.9064, 0.2280,
0.1372


■ 41.2565, 0.3065,
0.3114


■ 7.6500, 0.2130,
0.1133


■ 49.9262, 0.3150,
0.3357

■ 6.0697, 0.1992,
0.0946


■ 59.6943, 0.3222,
0.3575

 5.0596, 0.1872,
0.0819

 70.5981, 0.3283,
0.3770

 4.8210, 0.1841,
0.0788

 82.6730, 0.3335,
0.3943

 91.8049, 0.3389,
0.4039

 93.6913, 0.3463,
0.4021

Harmonies

Analogous

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



21.4311, 0.2182, 0.2177



21.4311, 0.2724, 0.2260



21.4311, 0.3452, 0.2551

Triad

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



21.4311, 0.2724, 0.2260



21.4311, 0.4494, 0.4066



21.4311, 0.2160, 0.3499

Complementary

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



21.4311, 0.2724, 0.2260



42.1657, 0.3425, 0.4282

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.



21.4311, 0.2703, 0.4244



21.4311, 0.2724, 0.2260



21.4311, 0.4056, 0.4503

Square

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



21.4311, 0.2724, 0.2260



21.4311, 0.4550, 0.3527



21.4311, 0.3397, 0.4626



21.4311, 0.1886, 0.2788

Rectangle

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



21.4311, 0.2724, 0.2260



21.4311, 0.3941, 0.2836



21.4311, 0.3397, 0.4626



21.4311, 0.2314, 0.3763

Sweetspot

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



21.4320, 0.2724, 0.2260



68.1815, 0.3027, 0.3010



31.1526, 0.2557, 0.2880



14.6517, 0.3013, 0.2974



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.4320, 0.2724, 0.2260



31.0655, 0.2604, 0.1995



24.8016, 0.3081, 0.2361



8.8888, 0.3045, 0.3058



3.4014, 0.1853, 0.0794



0.1562, 0.2161, 0.0964

Inverse Universe

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



24.7287, 0.3481, 0.2719



38.0411, 0.3596, 0.2589



39.3047, 0.3138, 0.4376



9.1007, 0.3196, 0.3153



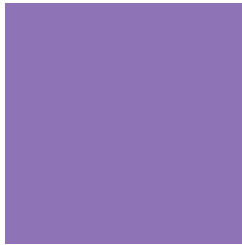
7.8275, 0.4507, 0.2256



0.2878, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 21.4311, 0.2724, 0.2260 looks on a white background.

Color Contrast Check

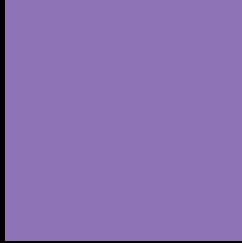
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4311, 0.2724, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

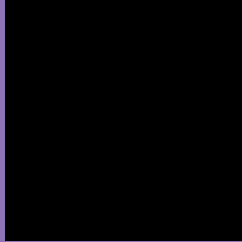
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4311, 0.2724, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 21.4311, 0.2724, 0.2260.



This preview shows how white text looks on a background with the Yxy color 21.4311, 0.2724, 0.2260.

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

21.4311, 0.2724, 0.2260

Protanopia

21.7307, 0.2341, 0.2231

Deuteranopia

21.4461, 0.2439, 0.2379



Tritanopia

21.4030, 0.3112, 0.3115

Trichromacy



Original Color

21.4311, 0.2724, 0.2260

Protanomaly

21.4447, 0.2457, 0.2232

Deuteranomaly

21.2895, 0.2528, 0.2325

Tritanomaly

21.1760, 0.2964, 0.2771

Monochromacy



Original Color

21.4311, 0.2724, 0.2260

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.0201, 0.2975, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4311, 0.2724, 0.2260 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(142, 115, 183)` looks like.

```
.text, #text, p{  
    color:rgb(142, 115, 183)  
}
```

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(142, 115, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 115, 183) }
```

Border

The CSS property to change the border of an element to Yxy 21.4311, 0.2724, 0.2260 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(142, 115, 183) }
```

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

```
.border{ border-color:rgb(142, 115, 183) }
```

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

Here you see how a box with a 4 pixel rgb(142, 115, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 115, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 115, 183);  
box-shadow:4px 4px 4px 4px rgb(142, 115,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4311, 0.2724, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 115, 183) }
```

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

```
.background{ background-color: rgb(142,  
115, 183) }
```

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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