

Converting Colors

$Y_{xy}(21.5298, 0.2746, 0.2225)$

Have a look what the booklet for
Yxy(21.5298, 0.2746, 0.2225)
contains.

Yxy(21.4240, 0.2746, 0.2218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.4240, 0.2746, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	9271B9
RGB	146, 113, 185
RGB Percent	57%, 44%, 73%
CMY	0.4272, 0.5569, 0.2745
CMYK	0.21, 0.39, 0.00, 0.27
HSL	268°, 34%, 58%
HSV	268°, 39%, 73%
XYZ	26.5240, 21.4240, 48.6435
YIQ	131.0750, -3.4440, 29.3880

Conversions

Conversions Part 2

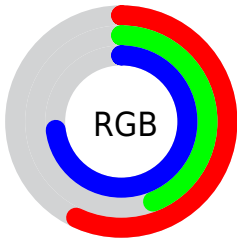
Format	Color
RYB	146, 113, 185
Decimal	9597369
CIELab	53.41, 27.56, -33.22
CIElCh	53, 43.162, 309.679
Yxy	21.4240, 0.2746, 0.2218
Android (android.graphics.Color)	4287787449 (0xFF9271B9)
YUV	131.0750, 26.5850, 13.0892
Hunter-Lab	46.2861, 21.2880, -29.9095

Details

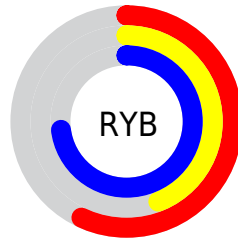
The Yxy color **21.4240, 0.2746, 0.2218** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.5650, 0.3398, 0.4347**, and the grayscale version is **22.6310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6786, 0.2837, 0.2426**, and **7.7124, 0.2583, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **16.8322, 0.2617, 0.1918**, and if you desaturate by 10%, it is **26.9393, 0.2863, 0.2516**.

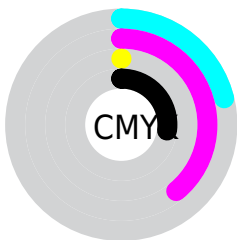
Distribution



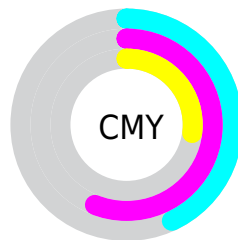
- Red (57%)
- Green (44%)
- Blue (73%)



- Red (57%)
- Yellow (44%)
- Blue (73%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (27%)




- Cyan (43%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4240, 0.2746, 0.2218 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 21.4240, 0.2746, 0.2218 by changing the saturation by 10% instead.


 21.4240, 0.2746,
0.2218


 21.4240, 0.2746,
0.2218


259.5233, 0.2969,
0.2776


 13.4343, 0.2679,
0.2075


 45.7921, 0.2835,
0.2424


 7.7283, 0.2587,
0.1889


 62.9393, 0.2866,
0.2501

 3.9216, 0.2452,
0.1643

 83.9078, 0.2891,
0.2565

 1.6298, 0.2241,
0.1307

 109.0820, 0.2912,
0.2620

 0.3776, 0.1916,
0.0692

138.8462, 0.2929,
0.2667

 0.0000, 0.0000,
0.0000

173.5849, 0.2944,

0.2708

213.6825, 0.2957,
0.2744

■ 21.4240, 0.2746,
0.2218

■ 21.4240, 0.2746,
0.2218

■ 16.8322, 0.2617,
0.1918

■ 26.9393, 0.2863,
0.2516

■ 13.1077, 0.2480,
0.1629

■ 33.4245, 0.2967,
0.2801

■ 10.1921, 0.2339,
0.1366

■ 40.9260, 0.3057,
0.3069

■ 8.0185, 0.2201,
0.1144

■ 49.4866, 0.3135,
0.3315

■ 6.5084, 0.2073,
0.0975

■ 59.1462, 0.3200,
0.3539

■ 5.5253, 0.1958,
0.0857

■ 69.9430, 0.3256,
0.3740

■ 5.4322, 0.1946,
0.0846

■ 81.9131, 0.3302,
0.3919

■ 91.2093, 0.3350,
0.4024

■ 92.8755, 0.3416,
0.4009

Harmonies

Analogous

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



21.4240, 0.2158, 0.2113



21.4240, 0.2746, 0.2218



21.4240, 0.3528, 0.2537

Triad

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



21.4240, 0.2746, 0.2218



21.4240, 0.4555, 0.4139



21.4240, 0.2069, 0.3449

Complementary

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



21.4240, 0.2746, 0.2218



42.5650, 0.3398, 0.4347

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.



21.4240, 0.2623, 0.4267



21.4240, 0.2746, 0.2218



21.4240, 0.4061, 0.4599

Square

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



21.4240, 0.2746, 0.2218



21.4240, 0.4655, 0.3571



21.4240, 0.3352, 0.4713



21.4240, 0.1807, 0.2706

Rectangle

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



21.4240, 0.2746, 0.2218



21.4240, 0.4046, 0.2841



21.4240, 0.3352, 0.4713



21.4240, 0.2224, 0.3734

Sweetspot

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



21.4249, 0.2746, 0.2218



68.7003, 0.3029, 0.2984



29.6638, 0.2519, 0.2778



14.4320, 0.3018, 0.2950



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.



21.4249, 0.2746, 0.2218



31.0189, 0.2633, 0.1953



25.1826, 0.3131, 0.2332



8.9160, 0.3054, 0.3059



3.7406, 0.1959, 0.0853



0.1687, 0.2259, 0.1018

Inverse Universe

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



24.3866, 0.3560, 0.2750



37.2918, 0.3703, 0.2630



39.6484, 0.3100, 0.4451



9.0913, 0.3206, 0.3167



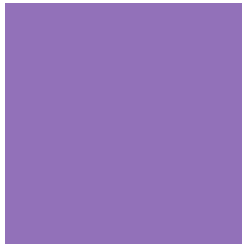
7.6652, 0.4761, 0.2397



0.2826, 0.4258, 0.2119

Previews

White Background



This preview shows how the Yxy color 21.4240, 0.2746, 0.2218 looks on a white background.

Color Contrast Check

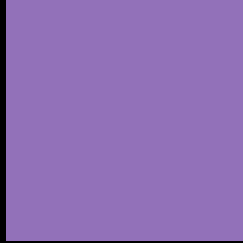
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4240, 0.2746, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

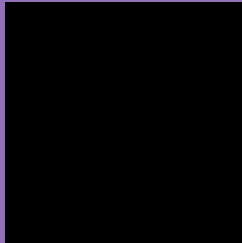
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4240, 0.2746, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 21.4240, 0.2746, 0.2218.



This preview shows how white text looks on a background with the Yxy color 21.4240, 0.2746, 0.2218.

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

21.4240, 0.2746, 0.2218

Protanopia

21.4909, 0.2304, 0.2174

Deuteranopia

21.6819, 0.2427, 0.2381



Tritanopia

21.4549, 0.3171, 0.3117

Trichromacy



Original Color

21.4240, 0.2746, 0.2218

Protanomaly

21.3583, 0.2449, 0.2194

Deuteranomaly

21.4029, 0.2529, 0.2314

Tritanomaly

21.3083, 0.3000, 0.2745

Monochromacy



Original Color

21.4240, 0.2746, 0.2218

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8839, 0.2975, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4240, 0.2746, 0.2218 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(146, 113, 185)` looks like.

```
.text, #text, p{  
    color:rgb(146, 113, 185)  
}
```

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(146, 113, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 113, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.4240, 0.2746, 0.2218 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(146, 113, 185) }
```

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

```
.border{ border-color:rgb(146, 113, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 113, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 113, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 113, 185);  
box-shadow:4px 4px 4px 4px rgb(146, 113,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4240, 0.2746, 0.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 113, 185) }
```

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

```
.background{ background-color: rgb(146,  
113, 185) }
```

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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