

Converting Colors

$Y_{xy}(21.8508, 0.2735, 0.2302)$

Have a look what the booklet for
Yxy(21.8508, 0.2735, 0.2302)
contains.

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Color

Yxy(21.8508, 0.2735, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	8E75B6
RGB	142, 117, 182
RGB Percent	56%, 46%, 71%
CMY	0.4431, 0.5412, 0.2862
CMYK	0.22, 0.36, 0.00, 0.29
HSL	263°, 31%, 59%
HSV	263°, 36%, 71%
XYZ	25.9609, 21.8508, 47.1093
YIQ	131.8850, -5.9650, 25.5150

Conversions

Conversions Part 2

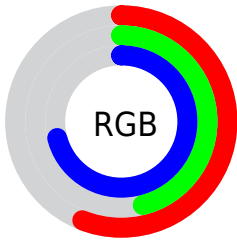
Format	Color
R_{YB}	142, 117, 182
Decimal	9336246
CIE _{Lab}	53.87, 23.26, -30.80
CIE _{LCh}	54, 38.597, 307.050
Yxy	21.8508, 0.2735, 0.2302
Android (android.graphics.Color)	4287526326 (0xFF8E75B6)
YUV	131.8850, 24.7067, 8.8709
Hunter-Lab	46.7448, 17.3308, -27.0308

Details

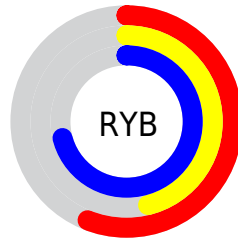
The Yxy color **21.8508, 0.2735, 0.2302** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **41.9123, 0.3422, 0.4238**, and the grayscale version is **22.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4193, 0.2828, 0.2494**, and **7.8929, 0.2568, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **17.0732, 0.2593, 0.1993**, and if you desaturate by 10%, it is **27.5543, 0.2864, 0.2603**.

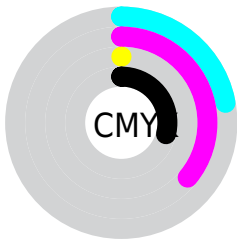
Distribution



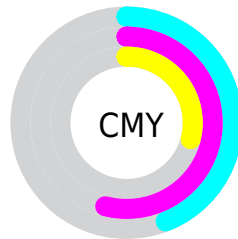
- Red (56%)
- Green (46%)
- Blue (71%)



- Red (56%)
- Yellow (46%)
- Blue (71%)



- Cyan (22%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)





- Cyan (44%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8508, 0.2735, 0.2302 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 21.8508, 0.2735, 0.2302 by changing the saturation by 10% instead.


 21.8508, 0.2735,
0.2302


 21.8508, 0.2735,
0.2302


261.7661, 0.2961,
0.2820


 13.7473, 0.2668,
0.2167


 46.4993, 0.2825,
0.2495

 7.9451, 0.2576,
0.1991


 63.8131, 0.2856,
0.2566

 4.0599, 0.2441,
0.1755

 84.9657, 0.2882,
0.2626

 1.7071, 0.2232,
0.1427

110.3417, 0.2903,
0.2676

 0.4282, 0.1903,
0.0830

140.3253, 0.2921,
0.2720

 0.0000, 0.0000,
0.0000

175.3010, 0.2936,

0.2758

215.6531, 0.2949,
0.2791

■ 21.8508, 0.2735,
0.2302

■ 21.8508, 0.2735,
0.2302

■ 17.0732, 0.2593,
0.1993

■ 27.5543, 0.2864,
0.2603

■ 13.1679, 0.2442,
0.1688

■ 34.2279, 0.2978,
0.2888

■ 10.0799, 0.2286,
0.1403

■ 41.9163, 0.3077,
0.3150

■ 7.7463, 0.2133,
0.1155

■ 50.6603, 0.3162,
0.3389

■ 6.0948, 0.1992,
0.0960

■ 60.4987, 0.3234,
0.3604

■ 5.0347, 0.1869,
0.0824

■ 71.4682, 0.3295,
0.3795

■ 4.6799, 0.1821,
0.0777

■ 83.6036, 0.3346,
0.3965

■ 91.9881, 0.3404,
0.4047

■ 93.9185, 0.3479,
0.4029

Harmonies

Analogous

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



21.8508, 0.2219, 0.2228



21.8508, 0.2735, 0.2302



21.8508, 0.3425, 0.2578

Triad

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



21.8508, 0.2735, 0.2302



21.8508, 0.4433, 0.4030



21.8508, 0.2214, 0.3503

Complementary

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



21.8508, 0.2735, 0.2302



41.9123, 0.3422, 0.4238

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.



21.8508, 0.2738, 0.4199



21.8508, 0.2735, 0.2302



21.8508, 0.4025, 0.4441

Square

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



21.8508, 0.2735, 0.2302



21.8508, 0.4474, 0.3515



21.8508, 0.3401, 0.4554



21.8508, 0.1944, 0.2828

Rectangle

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



21.8508, 0.2735, 0.2302



21.8508, 0.3889, 0.2851



21.8508, 0.3401, 0.4554



21.8508, 0.2364, 0.3751

Sweetspot

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



21.8517, 0.2735, 0.2302



68.1306, 0.3024, 0.3010



31.3037, 0.2579, 0.2899



14.6392, 0.3011, 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.



21.8517, 0.2735, 0.2302



32.5443, 0.2622, 0.2054



25.1480, 0.3084, 0.2397



8.8833, 0.3043, 0.3058



3.3403, 0.1833, 0.0783



0.1538, 0.2142, 0.0954

Inverse Universe

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



25.1035, 0.3453, 0.2731



39.4813, 0.3554, 0.2606



39.0724, 0.3139, 0.4328



9.1026, 0.3195, 0.3150



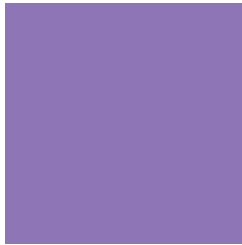
7.8626, 0.4457, 0.2229



0.2889, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 21.8508, 0.2735, 0.2302 looks on a white background.

Color Contrast Check

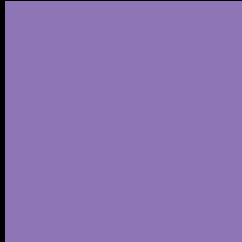
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8508, 0.2735, 0.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

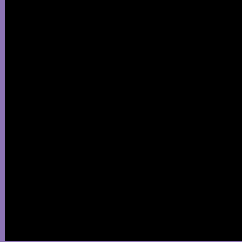
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8508, 0.2735, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 21.8508, 0.2735, 0.2302.



This preview shows how white text looks on a background with the Yxy color 21.8508, 0.2735, 0.2302.

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

21.8508, 0.2735, 0.2302

Protanopia

22.0846, 0.2380, 0.2279

Deuteranopia

21.8535, 0.2475, 0.2416



Tritanopia

21.7676, 0.3112, 0.3116

Trichromacy



Original Color

21.8508, 0.2735, 0.2302

Protanomaly

21.7468, 0.2492, 0.2277

Deuteranomaly

21.6397, 0.2556, 0.2359

Tritanomaly

21.7842, 0.2966, 0.2791

Monochromacy



Original Color

21.8508, 0.2735, 0.2302

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6150, 0.2986, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8508, 0.2735, 0.2302 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, 117, 182)` looks like.

```
.text, #text, p{  
    color:rgb(142, 117, 182)  
}
```

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, 117, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 117, 182) }
```

Border

The CSS property to change the border of an element to Yxy 21.8508, 0.2735, 0.2302 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, 117, 182) }
```

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

```
.border{ border-color:rgb(142, 117, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 117, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 117, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 117, 182);  
box-shadow:4px 4px 4px 4px rgb(142, 117,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8508, 0.2735, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 117, 182) }
```

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

```
.background{ background-color: rgb(142,  
117, 182) }
```

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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