

Converting Colors

$Y_{xy}(22.6876, 0.2796, 0.2547)$

Have a look what the booklet for
Yxy(22.6876, 0.2796, 0.2547)
contains.

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Color

Yxy(22.6739, 0.2790, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	897CAB
RGB	137, 124, 171
RGB Percent	54%, 49%, 67%
CMY	0.4630, 0.5136, 0.3295
CMYK	0.20, 0.27, 0.00, 0.33
HSL	257°, 22%, 58%
HSV	257°, 27%, 67%
XYZ	24.8664, 22.6739, 41.5866
YIQ	133.2450, -7.3390, 17.3730

Conversions

Conversions Part 2

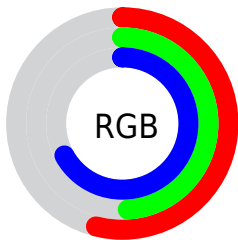
Format	Color
R_{YB}	137, 124, 171
Decimal	9010347
CIE _{Lab}	54.73, 14.90, -23.15
CIE _{LCh}	55, 27.530, 302.757
Yxy	22.6739, 0.2790, 0.2544
Android (android.graphics.Color)	4287200427 (0xFF897CAB)
YUV	133.2450, 18.6132, 3.2931
Hunter-Lab	47.6171, 9.8856, -18.4492

Details

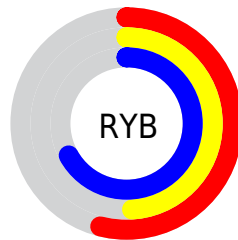
The Yxy color $22.6739, 0.2790, 0.2544$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $37.8526, 0.3407, 0.3991$, and the grayscale version is $23.4803, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0116, 0.2870, 0.2705$, and $8.3425, 0.2647, 0.2281$ is the 20% darker color. If you saturate the color by 10%, you get $17.7657, 0.2637, 0.2232$, and if you desaturate by 10%, it is $28.4474, 0.2927, 0.2837$.

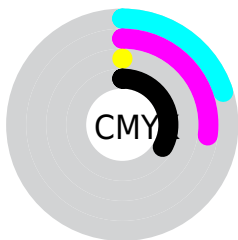
Distribution



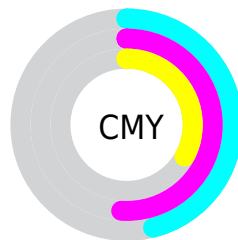
- Red (54%)
- Green (49%)
- Blue (67%)



- Red (54%)
- Yellow (49%)
- Blue (67%)



- Cyan (20%)
- Magenta (27%)
- Yellow (0%)
- Black (33%)





- Cyan (46%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6739, 0.2790, 0.2544 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 22.6739, 0.2790, 0.2544 by changing the saturation by 10% instead.


 22.6739, 0.2790,
0.2544


 22.6739, 0.2790,
0.2544


266.0456, 0.2981,
0.2943


 14.3529, 0.2734,
0.2436


 47.8573, 0.2865,
0.2695

 8.3665, 0.2656,
0.2293


 65.4885, 0.2892,
0.2750

 4.3304, 0.2542,
0.2095

 86.9919, 0.2914,
0.2795

 1.8600, 0.2362,
0.1805

112.7519, 0.2932,
0.2834

 0.5242, 0.2068,
0.1258

143.1529, 0.2947,
0.2867

 0.0000, 0.0000,
0.0000

178.5792, 0.2960,

0.2896

219.4153, 0.2971,
0.2921

■ 22.6739, 0.2790,
0.2544

■ 22.6739, 0.2790,
0.2544

■ 17.7657, 0.2637,
0.2232

■ 28.4474, 0.2927,
0.2837

■ 13.6777, 0.2471,
0.1910

■ 35.1229, 0.3048,
0.3106

■ 10.3647, 0.2297,
0.1594

■ 42.7383, 0.3152,
0.3349

■ 7.7760, 0.2124,
0.1300

■ 51.3285, 0.3242,
0.3565

■ 5.8546, 0.1961,
0.1048

■ 60.9266, 0.3318,
0.3757

■ 4.5347, 0.1818,
0.0854

■ 71.5641, 0.3382,
0.3925

■ 3.7163, 0.1703,
0.0726

■ 83.2712, 0.3437,
0.4073

■ 3.5448, 0.1677,
0.0697

■ 92.3109, 0.3497,
0.4153

■ 94.5082, 0.3582,
0.4128

Harmonies

Analogous

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



22.6739, 0.2427, 0.2521



22.6739, 0.2790, 0.2544



22.6739, 0.3273, 0.2732

Triad

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



22.6739, 0.2790, 0.2544



22.6739, 0.4082, 0.3803



22.6739, 0.2520, 0.3521

Complementary

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



22.6739, 0.2790, 0.2544



37.8526, 0.3407, 0.3991

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.



22.6739, 0.2929, 0.3961



22.6739, 0.2790, 0.2544



22.6739, 0.3838, 0.4092

Square

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



22.6739, 0.2790, 0.2544



22.6739, 0.4054, 0.3424



22.6739, 0.3412, 0.4172



22.6739, 0.2281, 0.3041

Rectangle

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



22.6739, 0.2790, 0.2544



22.6739, 0.3601, 0.2929



22.6739, 0.3412, 0.4172



22.6739, 0.2641, 0.3682

Sweetspot

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



22.6748, 0.2790, 0.2544



62.0530, 0.3040, 0.3089



31.8387, 0.2716, 0.3091



13.4248, 0.3023, 0.3051



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.6748, 0.2790, 0.2544



35.0571, 0.2698, 0.2355



24.8379, 0.3037, 0.2596



7.8598, 0.3027, 0.3059



2.6958, 0.1686, 0.0702



0.1024, 0.2026, 0.0890

Inverse Universe

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



25.5490, 0.3300, 0.2794



41.1376, 0.3349, 0.2681



35.7259, 0.3189, 0.4041



8.1099, 0.3178, 0.3127



7.6324, 0.4037, 0.1998



0.2209, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 22.6739, 0.2790, 0.2544 looks on a white background.

Color Contrast Check

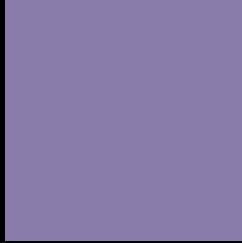
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6739, 0.2790, 0.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

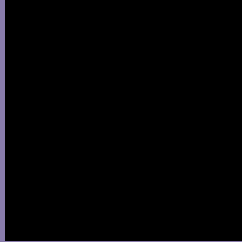
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6739, 0.2790, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 22.6739, 0.2790, 0.2544.



This preview shows how white text looks on a background with the Yxy color 22.6739, 0.2790, 0.2544.

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

22.6739, 0.2790, 0.2544

Protanopia

22.6472, 0.2579, 0.2533

Deuteranopia

22.8137, 0.2666, 0.2613



Tritanopia

22.6840, 0.3033, 0.3117

Trichromacy



Original Color

22.6739, 0.2790, 0.2544

Protanomaly

22.5947, 0.2648, 0.2526

Deuteranomaly

22.6702, 0.2712, 0.2589

Tritanomaly

22.6593, 0.2943, 0.2902

Monochromacy



Original Color

22.6739, 0.2790, 0.2544

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1402, 0.2995, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6739, 0.2790, 0.2544 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(137, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(137, 124, 171)  
}
```

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(137, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 124, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.6739, 0.2790, 0.2544 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(137, 124, 171) }
```

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

```
.border{ border-color:rgb(137, 124, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 124, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(137, 124,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6739, 0.2790, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 124, 171) }
```

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

```
.background{ background-color: rgb(137,  
124, 171) }
```

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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