

Converting Colors

$Y_{xy}(15.9575, 0.2846, 0.2693)$

Have a look what the booklet for
Yxy(15.9575, 0.2846, 0.2693)
contains.

Yxy(15.9569, 0.2836, 0.2685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9569, 0.2836, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	726B8B
RGB	114, 107, 139
RGB Percent	45%, 42%, 55%
CMY	0.5531, 0.5803, 0.4549
CMYK	0.18, 0.23, 0.00, 0.45
HSL	253°, 13%, 48%
HSV	253°, 23%, 55%
XYZ	16.8543, 15.9569, 26.6186
YIQ	112.7410, -6.1000, 11.4360

Conversions

Conversions Part 2

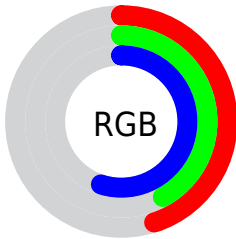
Format	Color
RYB	114, 107, 139
Decimal	7498635
CIELab	46.92, 9.71, -16.58
CIELCh	47, 19.210, 300.354
Yxy	15.9569, 0.2836, 0.2685
Android (android.graphics.Color)	4285688715 (0xFF726B8B)
YUV	112.7410, 12.9457, 1.1041
Hunter-Lab	39.9461, 5.4081, -11.5464

Details

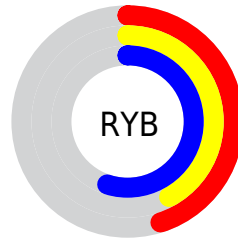
The Yxy color **15.9569, 0.2836, 0.2685** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.4372, 0.3380, 0.3858**, and the grayscale version is **16.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4110, 0.2902, 0.2812**, and **5.0768, 0.2690, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **12.6016, 0.2682, 0.2382**, and if you desaturate by 10%, it is **19.8663, 0.2973, 0.2965**.

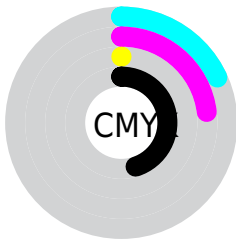
Distribution



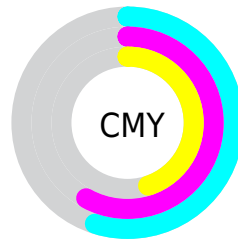
- Red (45%)
- Green (42%)
- Blue (55%)



- Red (45%)
- Yellow (42%)
- Blue (55%)



- Cyan (18%)
- Magenta (23%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (58%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9569, 0.2836, 0.2685 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 15.9569, 0.2836, 0.2685 by changing the saturation by 10% instead.

■ 15.9569, 0.2836,
0.2685

■ 15.9569, 0.2836,
0.2685

■ 229.0873, 0.3009,
0.3030

■ 9.4937, 0.2780,
0.2581

■ 36.5234, 0.2907,
0.2822

■ 5.0646, 0.2699,
0.2436

■ 51.3954, 0.2931,
0.2870

■ 2.2852, 0.2572,
0.2218

■ 69.8391, 0.2950,
0.2909

■ 0.7659, 0.2346,
0.1850

■ 92.2389, 0.2966,
0.2941

■ 0.0000, 0.0000,
0.0000

■ 118.9793, 0.2980,
0.2969

■ 150.4445, 0.2991,

0.2992

187.0190, 0.3001,
0.3012

■ 15.9569, 0.2836,
0.2685

■ 15.9569, 0.2836,
0.2685

■ 12.6016, 0.2682,
0.2382

■ 19.8663, 0.2973,
0.2965

■ 9.7731, 0.2514,
0.2063

■ 24.3513, 0.3094,
0.3219

■ 7.4448, 0.2336,
0.1741

■ 29.4349, 0.3199,
0.3446

■ 5.5871, 0.2155,
0.1430

■ 35.1382, 0.3288,
0.3646

■ 4.1670, 0.1983,
0.1151

■ 41.4811, 0.3365,
0.3823

■ 3.1471, 0.1828,
0.0923

■ 48.4828, 0.3431,
0.3978

■ 2.4837, 0.1702,
0.0761

■ 56.1616, 0.3486,
0.4114

■ 2.1436, 0.1630,
0.0672

■ 64.5351, 0.3534,
0.4233

■ 73.6202, 0.3574,
0.4338

Harmonies

Analogous

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



15.9569, 0.2553, 0.2683



15.9569, 0.2836, 0.2685



15.9569, 0.3214, 0.2827

Triad

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



15.9569, 0.2836, 0.2685



15.9569, 0.3884, 0.3685



15.9569, 0.2671, 0.3503

Complementary

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



15.9569, 0.2836, 0.2685



24.4372, 0.3380, 0.3858

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.



15.9569, 0.3007, 0.3828



15.9569, 0.2836, 0.2685



15.9569, 0.3714, 0.3912

Square

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



15.9569, 0.2836, 0.2685



15.9569, 0.3840, 0.3381



15.9569, 0.3389, 0.3978



15.9569, 0.2462, 0.3130

Rectangle

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



15.9569, 0.2836, 0.2685



15.9569, 0.3472, 0.2983



15.9569, 0.3389, 0.3978



15.9569, 0.2772, 0.3624

Sweetspot

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



15.9576, 0.2836, 0.2685



40.1555, 0.3046, 0.3117



21.5128, 0.2789, 0.3160



9.1618, 0.3040, 0.3105



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.9576, 0.2836, 0.2685



25.0943, 0.2752, 0.2518



17.1233, 0.3036, 0.2720



4.9413, 0.3022, 0.3066



1.9412, 0.1634, 0.0674



0.0183, 0.2011, 0.0882

Inverse Universe

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



17.6745, 0.3241, 0.2853



28.7933, 0.3274, 0.2744



23.2461, 0.3197, 0.3891



5.1107, 0.3168, 0.3121



5.9488, 0.3829, 0.1883



0.0417, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 15.9569, 0.2836, 0.2685 looks on a white 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

Black Background



This preview shows how the Yxy color 15.9569, 0.2836, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

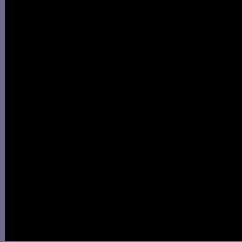
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9569, 0.2836, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 15.9569, 0.2836, 0.2685.



This preview shows how white text looks on a background with the Yxy color 15.9569, 0.2836, 0.2685.

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

15.9569, 0.2836, 0.2685

Protanopia

15.9585, 0.2691, 0.2688

Deuteranopia

15.9895, 0.2767, 0.2712



Tritanopia

16.0158, 0.3017, 0.3129

Trichromacy



Original Color

15.9569, 0.2836, 0.2685

Protanomaly

15.9565, 0.2745, 0.2693

Deuteranomaly

15.9042, 0.2789, 0.2696

Tritanomaly

16.0377, 0.2948, 0.2974

Monochromacy



Original Color

15.9569, 0.2836, 0.2685

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2847, 0.3020, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9569, 0.2836, 0.2685 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(114, 107, 139)` looks like.

```
.text, #text, p{  
    color:rgb(114, 107, 139)  
}
```

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(114, 107, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 107, 139) }
```

Border

The CSS property to change the border of an element to Yxy 15.9569, 0.2836, 0.2685 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(114, 107, 139) }
```

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

```
.border{ border-color:rgb(114, 107, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 107, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 107, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 107, 139);  
box-shadow:4px 4px 4px 4px rgb(114, 107,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9569, 0.2836, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 107, 139) }
```

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

```
.background{ background-color: rgb(114,  
107, 139) }
```

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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