

Converting Colors

$Y_{xy}(21.9654, 0.2669, 0.2587)$

Have a look what the booklet for
Yxy(21.9654, 0.2669, 0.2587)
contains.

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Color

Yxy(21.8864, 0.2668, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	7A7EA8
RGB	122, 126, 168
RGB Percent	48%, 49%, 66%
CMY	0.5217, 0.5059, 0.3411
CMYK	0.27, 0.25, 0.00, 0.34
HSL	235°, 21%, 57%
HSV	235°, 27%, 66%
XYZ	22.5542, 21.8864, 40.0955
YIQ	129.5920, -15.8660, 12.2140

Conversions

Conversions Part 2

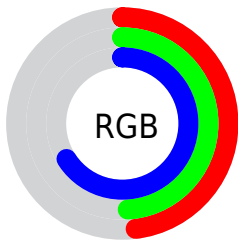
Format	Color
RYB	122, 126, 168
Decimal	8027816
CIELab	53.91, 8.23, -22.83
CIElCh	54, 24.264, 289.831
Yxy	21.8864, 0.2668, 0.2589
Android (android.graphics.Color)	4286217896 (0xFF7A7EA8)
YUV	129.5920, 18.9351, -6.6582
Hunter-Lab	46.7829, 4.1855, -18.0667

Details

The Yxy color **21.8864, 0.2668, 0.2589** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.2838, 0.3546, 0.3906**, and the grayscale version is **22.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6819, 0.2769, 0.2744**, and **7.9464, 0.2491, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **17.1396, 0.2472, 0.2282**, and if you desaturate by 10%, it is **27.4480, 0.2850, 0.2870**.

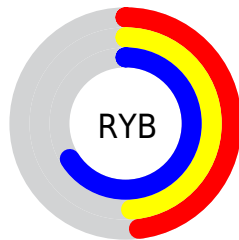
Distribution



Red (48%)

Green (49%)

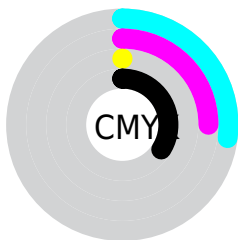
Blue (66%)



Red (48%)

Yellow (49%)

Blue (66%)

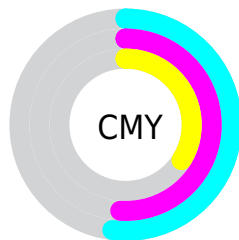


Cyan (27%)

Magenta (25%)

Yellow (0%)

Black (34%)



Cyan (52%)

Magenta (51%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8864, 0.2668, 0.2589 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 21.8864, 0.2668, 0.2589 by changing the saturation by 10% instead.

■ 21.8864, 0.2668,
0.2589

■ 21.8864, 0.2668,
0.2589

261.9525, 0.2925,
0.2970

■ 13.7735, 0.2594,
0.2484

■ 46.5582, 0.2769,
0.2735

■ 7.9633, 0.2492,
0.2342

■ 63.8858, 0.2804,
0.2787

■ 4.0715, 0.2344,
0.2143

■ 85.0537, 0.2833,
0.2831

■ 1.7136, 0.2114,
0.1847

110.4464, 0.2858,
0.2867

■ 0.4324, 0.1707,
0.1206

140.4482, 0.2878,
0.2899

■ 0.0000, 0.0000,
0.0000

175.4436, 0.2896,

0.2926

215.8169, 0.2912,
0.2949

■ 21.8864, 0.2668,
0.2589

■ 21.8864, 0.2668,
0.2589

■ 17.1396, 0.2472,
0.2282

■ 27.4480, 0.2850,
0.2870

■ 13.1668, 0.2269,
0.1959

■ 33.8576, 0.3016,
0.3122

■ 9.9277, 0.2068,
0.1632

■ 41.1494, 0.3164,
0.3345

■ 7.3771, 0.1882,
0.1322

■ 49.3553, 0.3294,
0.3539

■ 5.4648, 0.1724,
0.1049

■ 58.5054, 0.3409,
0.3707

■ 4.1339, 0.1606,
0.0835

■ 68.6284, 0.3509,
0.3852

■ 3.3112, 0.1533,
0.0690

■ 79.7518, 0.3596,
0.3977

■ 3.1614, 0.1518,
0.0663

■ 91.6357, 0.3662,
0.4088

■ 95.6082, 0.3643,
0.4143

Harmonies

Analogous

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



21.8864, 0.2407, 0.2643



21.8864, 0.2668, 0.2589



21.8864, 0.3067, 0.2697

Triad

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



21.8864, 0.2668, 0.2589



21.8864, 0.4000, 0.3615



21.8864, 0.2729, 0.3678

Complementary

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



21.8864, 0.2668, 0.2589



36.2838, 0.3546, 0.3906

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.



21.8864, 0.3139, 0.3995



21.8864, 0.2668, 0.2589



21.8864, 0.3884, 0.3917

Square

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



21.8864, 0.2668, 0.2589



21.8864, 0.3862, 0.3264



21.8864, 0.3563, 0.4074



21.8864, 0.2438, 0.3249

Rectangle

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



21.8864, 0.2668, 0.2589



21.8864, 0.3365, 0.2845



21.8864, 0.3563, 0.4074



21.8864, 0.2857, 0.3805

Sweetspot

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



21.8873, 0.2668, 0.2589



60.5022, 0.3004, 0.3105



34.8115, 0.2770, 0.3362



12.7994, 0.2981, 0.3070



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.8873, 0.2668, 0.2589



34.1952, 0.2548, 0.2402



22.3517, 0.2853, 0.2560



7.4022, 0.2986, 0.3077



2.4212, 0.1520, 0.0672



0.0907, 0.1604, 0.0975

Inverse Universe

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



23.7480, 0.3655, 0.3230



38.2612, 0.3823, 0.3215



35.8676, 0.3350, 0.4001



7.5526, 0.3272, 0.3271



6.3155, 0.6280, 0.3233



0.1569, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 21.8864, 0.2668, 0.2589 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 21.8864, 0.2668, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

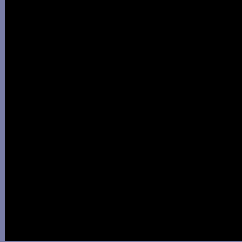
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8864, 0.2668, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 21.8864, 0.2668, 0.2589.



This preview shows how white text looks on a background with the Yxy color 21.8864, 0.2668, 0.2589.

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

21.8864, 0.2668, 0.2589

Protanopia

21.8252, 0.2614, 0.2583

Deuteranopia

21.9990, 0.2651, 0.2603



Tritanopia

21.9376, 0.2871, 0.3109

Trichromacy



Original Color

21.8864, 0.2668, 0.2589

Protanomaly

21.9653, 0.2633, 0.2587

Deuteranomaly

22.0708, 0.2660, 0.2605

Tritanomaly

21.8568, 0.2795, 0.2903

Monochromacy



Original Color

21.8864, 0.2668, 0.2589

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2262, 0.2948, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8864, 0.2668, 0.2589 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(122, 126, 168)` looks like.

```
.text, #text, p{  
    color:rgb(122, 126, 168)  
}
```

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(122, 126, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 126, 168) }
```

Border

The CSS property to change the border of an element to Yxy 21.8864, 0.2668, 0.2589 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(122, 126, 168) }
```

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

```
.border{ border-color:rgb(122, 126, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 126, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 126, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 126, 168);  
box-shadow:4px 4px 4px 4px rgb(122, 126,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8864, 0.2668, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 126, 168) }
```

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

```
.background{ background-color: rgb(122,  
126, 168) }
```

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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