

Converting Colors

$Y_{xy}(21.8049, 0.2820, 0.2818)$

Have a look what the booklet for
Yxy(21.8049, 0.2820, 0.2818)
contains.

Yxy(21.8718, 0.2827, 0.2826)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8718, 0.2827, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	7D7F9A
RGB	125, 127, 154
RGB Percent	49%, 50%, 60%
CMY	0.5098, 0.5019, 0.3960
CMYK	0.19, 0.18, 0.00, 0.40
HSL	236°, 13%, 55%
HSV	236°, 19%, 60%
XYZ	21.8795, 21.8718, 33.6436
YIQ	129.4800, -9.8590, 7.9730

Conversions

Conversions Part 2

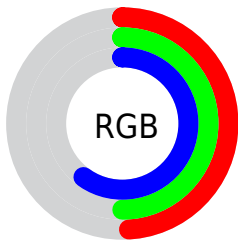
Format	Color
R _Y B	125, 127, 154
Decimal	8224666
CIE Lab	53.89, 5.18, -14.71
CIE LCh	54, 15.595, 289.402
Yxy	21.8718, 0.2827, 0.2826
Android (android.graphics.Color)	4286414746 (0xFF7D7F9A)
YUV	129.4800, 12.0884, -3.9290
Hunter-Lab	46.7673, 1.6664, -9.9151

Details

The Yxy color **21.8718, 0.2827, 0.2826** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.8085, 0.3408, 0.3715**, and the grayscale version is **22.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6616, 0.2898, 0.2935**, and **7.9646, 0.2713, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **17.3587, 0.2643, 0.2537**, and if you desaturate by 10%, it is **27.0933, 0.2994, 0.3086**.

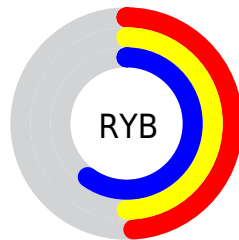
Distribution



Red (49%)

Green (50%)

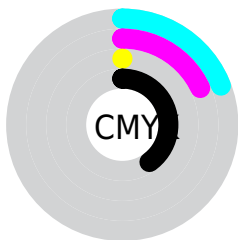
Blue (60%)



Red (49%)

Yellow (50%)

Blue (60%)

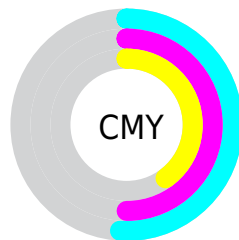


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (40%)



Cyan (51%)

Magenta (50%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8718, 0.2827, 0.2826 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 21.8718, 0.2827, 0.2826 by changing the saturation by 10% instead.

■ 21.8718, 0.2827,
0.2826

■ 21.8718, 0.2827,
0.2826

261.8761, 0.2996,
0.3082

■ 13.7627, 0.2777,
0.2753

■ 46.5340, 0.2894,
0.2925

■ 7.9558, 0.2708,
0.2653

■ 63.8560, 0.2917,
0.2961

■ 4.0667, 0.2606,
0.2508

■ 85.0176, 0.2936,
0.2990

■ 1.7109, 0.2441,
0.2282

110.4035, 0.2952,
0.3014

■ 0.4307, 0.2087,
0.1677

140.3978, 0.2966,
0.3035

■ 0.0000, 0.0000,
0.0000

175.3851, 0.2977,

0.3053

215.7497, 0.2987,
0.3068

■ 21.8718, 0.2827,
0.2826

■ 21.8718, 0.2827,
0.2826

■ 17.3587, 0.2643,
0.2537

■ 27.0933, 0.2994,
0.3086

■ 13.5209, 0.2446,
0.2224

■ 33.0492, 0.3144,
0.3315

■ 10.3268, 0.2242,
0.1896

■ 39.7672, 0.3275,
0.3516

■ 7.7410, 0.2042,
0.1568

■ 47.2729, 0.3391,
0.3690

■ 5.7249, 0.1858,
0.1261

■ 55.5909, 0.3491,
0.3840

■ 4.2351, 0.1704,
0.0997

■ 64.7443, 0.3578,
0.3969

■ 3.2223, 0.1592,
0.0795

■ 74.7558, 0.3654,
0.4081

■ 2.6156, 0.1522,
0.0664

■ 85.6467, 0.3721,
0.4178

■ 2.5648, 0.1515,
0.0653

■ 95.1134, 0.3723,
0.4274

Harmonies

Analogous

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



21.8718, 0.2652, 0.2871



21.8718, 0.2827, 0.2826



21.8718, 0.3089, 0.2895

Triad

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



21.8718, 0.2827, 0.2826



21.8718, 0.3686, 0.3511



21.8718, 0.2876, 0.3539

Complementary

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



21.8718, 0.2827, 0.2826



30.8085, 0.3408, 0.3715

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.



21.8718, 0.3146, 0.3733



21.8718, 0.2827, 0.2826



21.8718, 0.3619, 0.3701

Square

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



21.8718, 0.2827, 0.2826



21.8718, 0.3594, 0.3278



21.8718, 0.3419, 0.3789



21.8718, 0.2679, 0.3275

Rectangle

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



21.8718, 0.2827, 0.2826



21.8718, 0.3280, 0.2994



21.8718, 0.3419, 0.3789



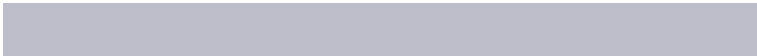
21.8718, 0.2961, 0.3616

Sweetspot

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



21.8727, 0.2827, 0.2826



52.0167, 0.3037, 0.3151



29.7273, 0.2872, 0.3329



11.6330, 0.3027, 0.3137



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.8727, 0.2827, 0.2826



35.7816, 0.2744, 0.2696



22.3254, 0.2957, 0.2809



6.0915, 0.2988, 0.3076



2.1114, 0.1517, 0.0659



0.0476, 0.1595, 0.0941

Inverse Universe

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



23.0697, 0.3459, 0.3258



38.4411, 0.3563, 0.3250



30.3382, 0.3275, 0.3764



6.2293, 0.3273, 0.3275



5.6184, 0.6301, 0.3244



0.0856, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 21.8718, 0.2827, 0.2826 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 21.8718, 0.2827, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

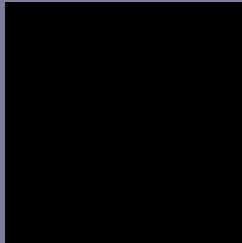
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

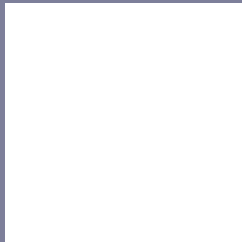
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8718, 0.2827, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 21.8718, 0.2827, 0.2826.



This preview shows how white text looks on a background with the Yxy color 21.8718, 0.2827, 0.2826.

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

21.8718, 0.2827, 0.2826

Protanopia

21.9824, 0.2807, 0.2841

Deuteranopia

21.9219, 0.2869, 0.2814



Tritanopia

21.7315, 0.2933, 0.3093

Trichromacy



Original Color

21.8718, 0.2827, 0.2826

Protanomaly

22.0565, 0.2818, 0.2842

Deuteranomaly

21.8440, 0.2858, 0.2813

Tritanomaly

21.6936, 0.2894, 0.2990

Monochromacy



Original Color

21.8718, 0.2827, 0.2826

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8625, 0.3020, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8718, 0.2827, 0.2826 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(125, 127, 154)` looks like.

```
.text, #text, p{  
    color:rgb(125, 127, 154)  
}
```

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(125, 127, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 127, 154) }
```

Border

The CSS property to change the border of an element to Yxy 21.8718, 0.2827, 0.2826 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(125, 127, 154) }
```

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

```
.border{ border-color:rgb(125, 127, 154) }
```

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

Here you see how a box with a 4 pixel rgb(125, 127, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 127, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 127, 154);  
box-shadow:4px 4px 4px 4px rgb(125, 127,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8718, 0.2827, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 127, 154) }
```

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

```
.background{ background-color: rgb(125,  
127, 154) }
```

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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