

Converting Colors

$Y_{xy}(22.4556, 0.2904, 0.2859)$

Have a look what the booklet for
Yxy(22.4556, 0.2904, 0.2859)
contains.

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Color

Yxy(22.3039, 0.2901, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	837F99
RGB	131, 127, 153
RGB Percent	51%, 50%, 60%
CMY	0.4862, 0.5020, 0.3999
CMYK	0.14, 0.17, 0.00, 0.40
HSL	249°, 11%, 55%
HSV	249°, 17%, 60%
XYZ	22.7030, 22.3039, 33.2524
YIQ	131.1600, -5.9620, 8.9340

Conversions

Conversions Part 2

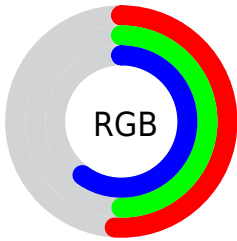
Format	Color
R _Y B	131, 127, 153
Decimal	8617881
CIE Lab	54.35, 7.01, -13.39
CIE LCh	54, 15.117, 297.614
Yxy	22.3039, 0.2901, 0.2850
Android (android.graphics.Color)	4286807961 (0xFF837F99)
YUV	131.1600, 10.7671, -0.1403
Hunter-Lab	47.2270, 3.1615, -8.6870

Details

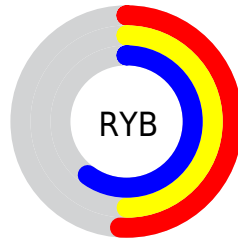
The Yxy color $22.3039, 0.2901, 0.2850$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $30.7082, 0.3332, 0.3705$, and the grayscale version is $22.7212, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3379, 0.2953, 0.2952$, and $8.1574, 0.2804, 0.2686$ is the 20% darker color. If you saturate the color by 10%, you get $17.6791, 0.2744, 0.2554$, and if you desaturate by 10%, it is $27.6597, 0.3040, 0.3119$.

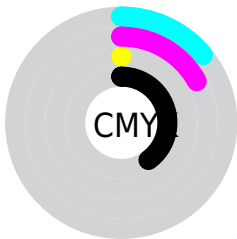
Distribution



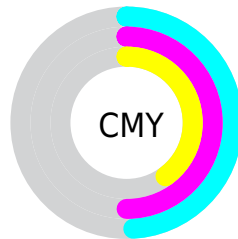
- Red (51%)
- Green (50%)
- Blue (60%)



- Red (51%)
- Yellow (50%)
- Blue (60%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3039, 0.2901, 0.2850 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 22.3039, 0.2901, 0.2850 by changing the saturation by 10% instead.

■ 22.3039, 0.2901,
0.2850

■ 22.3039, 0.2901,
0.2850

264.1292, 0.3029,
0.3092

■ 14.0804, 0.2863,
0.2782

■ 47.2478, 0.2952,
0.2944

■ 8.1766, 0.2810,
0.2688

■ 64.7369, 0.2969,
0.2977

■ 4.2082, 0.2732,
0.2553

■ 86.0833, 0.2984,
0.3004

■ 1.7907, 0.2604,
0.2343

111.6715, 0.2996,
0.3027

■ 0.4813, 0.2363,
0.1809

141.8858, 0.3006,
0.3047

■ 0.0000, 0.0000,
0.0000

177.1106, 0.3015,

0.3064

217.7302, 0.3022,
0.3079

■ 22.3039, 0.2901,
0.2850

■ 22.3039, 0.2901,
0.2850

■ 17.6791, 0.2744,
0.2554

■ 27.6597, 0.3040,
0.3119

■ 13.7508, 0.2570,
0.2235

■ 33.7735, 0.3162,
0.3359

■ 10.4858, 0.2384,
0.1903

■ 40.6744, 0.3267,
0.3570

■ 7.8473, 0.2193,
0.1574

■ 48.3889, 0.3357,
0.3756

■ 5.7946, 0.2007,
0.1266

■ 56.9424, 0.3433,
0.3917

■ 4.2822, 0.1839,
0.1003

■ 66.3594, 0.3499,
0.4058

■ 3.2580, 0.1700,
0.0803

■ 76.6630, 0.3555,
0.4181

■ 2.6409, 0.1598,
0.0673

■ 87.8758, 0.3603,
0.4288

■ 2.4911, 0.1573,
0.0640

■ 93.6677, 0.3676,
0.4303

Harmonies

Analogous

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



22.3039, 0.2704, 0.2863



22.3039, 0.2901, 0.2850



22.3039, 0.3166, 0.2943

Triad

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



22.3039, 0.2901, 0.2850



22.3039, 0.3663, 0.3560



22.3039, 0.2824, 0.3463

Complementary

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



22.3039, 0.2901, 0.2850



30.7082, 0.3332, 0.3705

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.



22.3039, 0.3071, 0.3676



22.3039, 0.2901, 0.2850



22.3039, 0.3559, 0.3722

Square

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



22.3039, 0.2901, 0.2850



22.3039, 0.3615, 0.3341



22.3039, 0.3341, 0.3770



22.3039, 0.2661, 0.3207

Rectangle

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



22.3039, 0.2901, 0.2850



22.3039, 0.3347, 0.3054



22.3039, 0.3341, 0.3770



22.3039, 0.2900, 0.3543

Sweetspot

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



22.3048, 0.2901, 0.2850



51.5058, 0.3065, 0.3167



28.3427, 0.2875, 0.3225



11.2245, 0.3057, 0.3151



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.3048, 0.2901, 0.2850



36.9863, 0.2850, 0.2753



23.3985, 0.3043, 0.2868



6.0700, 0.3011, 0.3062



2.0684, 0.1577, 0.0643



0.0412, 0.1870, 0.0804

Inverse Universe

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



24.1204, 0.3190, 0.2942



40.8045, 0.3204, 0.2871



29.5628, 0.3198, 0.3723



6.3072, 0.3160, 0.3104



6.9176, 0.3633, 0.1775



0.1073, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 22.3039, 0.2901, 0.2850 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 22.3039, 0.2901, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

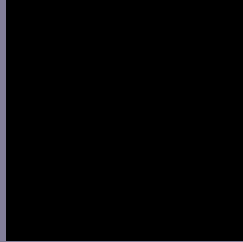
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3039, 0.2901, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 22.3039, 0.2901, 0.2850.



This preview shows how white text looks on a background with the Yxy color 22.3039, 0.2901, 0.2850.

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

22.3039, 0.2901, 0.2850

Protanopia

22.3936, 0.2829, 0.2861

Deuteranopia

22.3039, 0.2901, 0.2850



Tritanopia

22.2611, 0.3011, 0.3098

Trichromacy



Original Color

22.3039, 0.2901, 0.2850

Protanomaly

22.2835, 0.2849, 0.2846

Deuteranomaly

22.3039, 0.2901, 0.2850

Tritanomaly

22.2285, 0.2971, 0.2996

Monochromacy



Original Color

22.3039, 0.2901, 0.2850

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6546, 0.3043, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3039, 0.2901, 0.2850 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(131, 127, 153)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 153)  
}
```

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(131, 127, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 153) }
```

Border

The CSS property to change the border of an element to Yxy 22.3039, 0.2901, 0.2850 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(131, 127, 153) }
```

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

```
.border{ border-color:rgb(131, 127, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 153);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3039, 0.2901, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 153) }
```

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

```
.background{ background-color: rgb(131,  
127, 153) }
```

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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