

Converting Colors

$Y_{xy}(22.3707, 0.2989, 0.3114)$

Have a look what the booklet for
Yxy(22.3707, 0.2989, 0.3114)
contains.

Yxy(22.3707, 0.2989, 0.3114)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3707, 0.2989, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	7F828C
RGB	127, 130, 140
RGB Percent	50%, 51%, 55%
CMY	0.5018, 0.4902, 0.4510
CMYK	0.09, 0.07, 0.00, 0.45
HSL	226°, 5%, 52%
HSV	226°, 9%, 55%
XYZ	21.4727, 22.3707, 27.9957
YIQ	130.2430, -4.9980, 2.4740

Conversions

Conversions Part 2

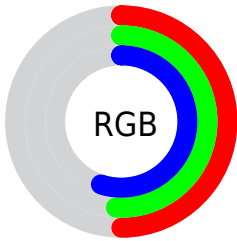
Format	Color
R_{YB}	127, 129, 140
Decimal	8356492
CIE Lab	54.42, 1.00, -5.77
CIE LCh	54, 5.851, 279.802
Yxy	22.3707, 0.2989, 0.3114
Android (android.graphics.Color)	4286546572 (0xFF7F828C)
YUV	130.2430, 4.8102, -2.8441
Hunter-Lab	47.2977, -1.7336, -1.9856

Details

The Yxy color **22.3707, 0.2989, 0.3114** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.0127, 0.3265, 0.3460**, and the grayscale version is **22.3999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4653, 0.3018, 0.3148**, and **8.2427, 0.2935, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **18.6438, 0.2827, 0.2901**, and if you desaturate by 10%, it is **26.5511, 0.3138, 0.3303**.

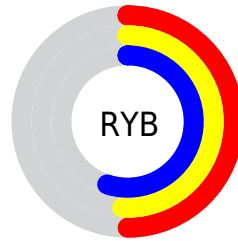
Distribution



Red (50%)

Green (51%)

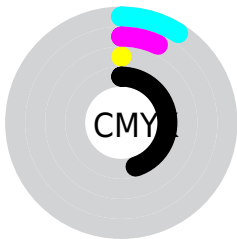
Blue (55%)



Red (50%)

Yellow (51%)

Blue (55%)

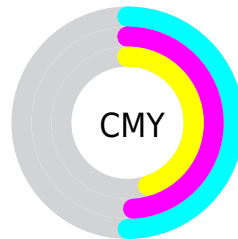


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (49%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3707, 0.2989, 0.3114 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 22.3707, 0.2989, 0.3114 by changing the saturation by 10% instead.

■ 22.3707, 0.2989,
0.3114

■ 22.3707, 0.2989,
0.3114

264.4761, 0.3067,
0.3212

■ 14.1295, 0.2966,
0.3085

■ 47.3579, 0.3020,
0.3153

■ 8.2108, 0.2934,
0.3045

■ 64.8728, 0.3030,
0.3166

■ 4.2301, 0.2887,
0.2986

■ 86.2476, 0.3039,
0.3177

■ 1.8031, 0.2809,
0.2889

111.8669, 0.3046,
0.3187

■ 0.4891, 0.2556,
0.2555

142.1150, 0.3053,
0.3195

■ 0.0000, 0.0000,
0.0000

177.3763, 0.3058,

0.3201

218.0352, 0.3062,
0.3207

■ 22.3707, 0.2989,
0.3114

■ 22.3707, 0.2989,
0.3114

■ 18.6438, 0.2827,
0.2901

■ 26.5511, 0.3138,
0.3303

■ 15.3520, 0.2653,
0.2665

■ 31.1967, 0.3273,
0.3470

■ 12.4802, 0.2471,
0.2408

■ 36.3225, 0.3395,
0.3616

■ 10.0108, 0.2286,
0.2134

■ 41.9418, 0.3504,
0.3744

■ 7.9253, 0.2104,
0.1852

■ 48.0676, 0.3602,
0.3854

■ 6.2036, 0.1935,
0.1573

■ 54.7122, 0.3689,
0.3951

■ 4.8235, 0.1787,
0.1311

■ 61.8875, 0.3767,
0.4035

■ 3.7604, 0.1670,
0.1080

■ 69.6051, 0.3837,
0.4108

■ 2.9713, 0.1583,
0.0891

■ 77.8763, 0.3900,
0.4172

Harmonies

Analogous

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



22.3707, 0.2934, 0.3150



22.3707, 0.2989, 0.3114



22.3707, 0.3081, 0.3125

Triad

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



22.3707, 0.2989, 0.3114



22.3707, 0.3328, 0.3351



22.3707, 0.3066, 0.3407

Complementary

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



22.3707, 0.2989, 0.3114



25.0127, 0.3265, 0.3460

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.



22.3707, 0.3171, 0.3463



22.3707, 0.2989, 0.3114



22.3707, 0.3324, 0.3428

Square

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



22.3707, 0.2989, 0.3114



22.3707, 0.3278, 0.3260



22.3707, 0.3265, 0.3470



22.3707, 0.2978, 0.3319

Rectangle

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



22.3707, 0.2989, 0.3114



22.3707, 0.3152, 0.3156



22.3707, 0.3265, 0.3470



22.3707, 0.3100, 0.3430

Sweetspot

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



22.3716, 0.2989, 0.3114



43.9114, 0.3083, 0.3234



25.0758, 0.3019, 0.3342



9.9890, 0.3072, 0.3220



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.



22.3716, 0.2989, 0.3114



38.0826, 0.2958, 0.3074



21.8676, 0.3028, 0.3064



5.0652, 0.2991, 0.3116



2.6217, 0.1579, 0.0886



0.0364, 0.1776, 0.1594

Inverse Universe

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



22.3758, 0.3249, 0.3240



38.1077, 0.3278, 0.3229



25.5684, 0.3221, 0.3512



5.0661, 0.3247, 0.3240



5.0489, 0.5934, 0.3043



0.0355, 0.4938, 0.2494

Previews

White Background



This preview shows how the Yxy color 22.3707, 0.2989, 0.3114 looks on a white background.

Color Contrast Check

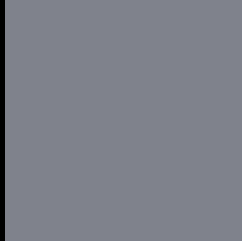
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3707, 0.2989, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

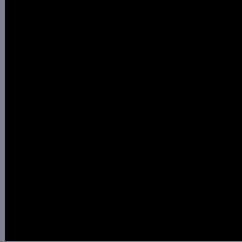
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

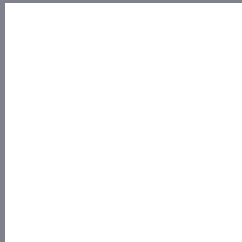
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3707, 0.2989, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 22.3707, 0.2989, 0.3114.



This preview shows how white text looks on a background with the Yxy color 22.3707, 0.2989, 0.3114.

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

22.3707, 0.2989, 0.3114

Protanopia

22.3398, 0.3022, 0.3098

Deuteranopia

22.2481, 0.3104, 0.3036



Tritanopia

22.3707, 0.2989, 0.3114

Trichromacy



Original Color

22.3707, 0.2989, 0.3114

Protanomaly

22.2611, 0.3011, 0.3098

Deuteranomaly

22.1702, 0.3057, 0.3049

Tritanomaly

22.3707, 0.2989, 0.3114

Monochromacy



Original Color

22.3707, 0.2989, 0.3114

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3536, 0.3073, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3707, 0.2989, 0.3114 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(127, 130, 140)` looks like.

```
.text, #text, p{  
    color:rgb(127, 130, 140)  
}
```

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(127, 130, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 130, 140) }
```

Border

The CSS property to change the border of an element to Yxy 22.3707, 0.2989, 0.3114 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(127, 130, 140) }
```

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

```
.border{ border-color:rgb(127, 130, 140) }
```

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

Here you see how a box with a 4 pixel rgb(127, 130, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 130, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 130, 140);  
box-shadow:4px 4px 4px 4px rgb(127, 130,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3707, 0.2989, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 130, 140) }
```

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

```
.background{ background-color: rgb(127,  
130, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor