

Converting Colors

$Y_{xy}(22.8282, 0.3090, 0.3102)$

Have a look what the booklet for
Yxy(22.8282, 0.3090, 0.3102)
contains.

Yxy(22.8282, 0.3090, 0.3102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8282, 0.3090, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	88818C
RGB	136, 129, 140
RGB Percent	53%, 51%, 55%
CMY	0.4666, 0.4941, 0.4509
CMYK	0.03, 0.08, 0.00, 0.45
HSL	278°, 5%, 53%
HSV	278°, 8%, 55%
XYZ	22.7399, 22.8282, 28.0238
YIQ	132.3470, 0.6410, 4.9050

Conversions

Conversions Part 2

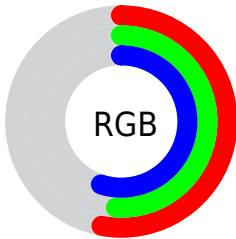
Format	Color
RYB	136, 129, 140
Decimal	8946060
CIELab	54.89, 4.82, -4.99
CIELCh	55, 6.933, 314.011
Yxy	22.8282, 0.3090, 0.3102
Android (android.graphics.Color)	4287136140 (0xFF88818C)
YUV	132.3470, 3.7729, 3.2037
Hunter-Lab	47.7789, 1.3423, -1.3302

Details

The Yxy color $22.8282, 0.3090, 0.3102$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.3312, 0.3162, 0.3480$, and the grayscale version is $23.1935, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1698, 0.3092, 0.3139$, and $8.4539, 0.3070, 0.3034$ is the 20% darker color. If you saturate the color by 10%, you get $18.9745, 0.3035, 0.2849$, and if you desaturate by 10%, it is $27.2095, 0.3136, 0.3339$.

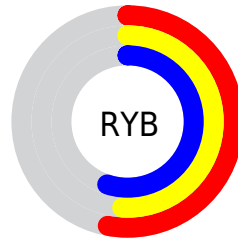
Distribution



Red (53%)

Green (51%)

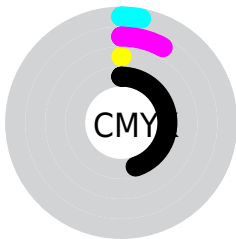
Blue (55%)



Red (53%)

Yellow (51%)

Blue (55%)

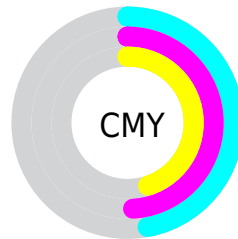


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (45%)



Cyan (47%)

Magenta (49%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8282, 0.3090, 0.3102 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 22.8282, 0.3090, 0.3102 by changing the saturation by 10% instead.

■ 22.8282, 0.3090,
0.3102

■ 22.8282, 0.3090,
0.3102

266.8414, 0.3111,
0.3206

■ 14.4667, 0.3084,
0.3072

■ 48.1111, 0.3098,
0.3143

■ 8.4460, 0.3074,
0.3031

■ 65.8012, 0.3101,
0.3157

■ 4.3816, 0.3061,
0.2970

■ 87.3698, 0.3104,
0.3169

■ 1.8892, 0.3037,
0.2872

113.2010, 0.3106,
0.3179

■ 0.5419, 0.2994,
0.2564

143.6794, 0.3108,
0.3187

■ 0.0000, 0.0000,
0.0000

179.1893, 0.3109,

0.3194

220.1152, 0.3110,
0.3201

■ 22.8282, 0.3090,
0.3102

■ 22.8282, 0.3090,
0.3102

■ 18.9745, 0.3035,
0.2849

■ 27.2095, 0.3136,
0.3339

■ 15.6248, 0.2971,
0.2583

■ 32.1349, 0.3175,
0.3558

■ 12.7579, 0.2898,
0.2312

■ 37.6240, 0.3207,
0.3758

■ 10.3500, 0.2817,
0.2042

■ 43.6944, 0.3233,
0.3939

■ 8.3754, 0.2728,
0.1784

■ 50.3629, 0.3254,
0.4103

6.8056, 0.2634,
0.1551

57.6458, 0.3271,
0.4251

5.6086, 0.2539,
0.1352

65.5585, 0.3285,
0.4383

4.7474, 0.2444,
0.1197

74.1161, 0.3295,
0.4502

4.1472, 0.2353,
0.1083

83.3270, 0.3303,
0.4609

Harmonies

Analogous

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



22.8282, 0.2978, 0.3082



22.8282, 0.3090, 0.3102



22.8282, 0.3214, 0.3170

Triad

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



22.8282, 0.3090, 0.3102



22.8282, 0.3352, 0.3462



22.8282, 0.2941, 0.3308

Complementary

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



22.8282, 0.3090, 0.3102



25.3312, 0.3162, 0.3480

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.



22.8282, 0.3038, 0.3415



22.8282, 0.3090, 0.3102



22.8282, 0.3276, 0.3504

Square

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



22.8282, 0.3090, 0.3102



22.8282, 0.3368, 0.3375



22.8282, 0.3161, 0.3488



22.8282, 0.2893, 0.3198

Rectangle

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



22.8282, 0.3090, 0.3102



22.8282, 0.3287, 0.3234



22.8282, 0.3161, 0.3488



22.8282, 0.2969, 0.3345

Sweetspot

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



22.8292, 0.3090, 0.3102



44.6239, 0.3118, 0.3242



23.3458, 0.3010, 0.3169



10.3064, 0.3119, 0.3245



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.



22.8292, 0.3090, 0.3102



39.2903, 0.3083, 0.3069



23.1271, 0.3152, 0.3129



5.0398, 0.3084, 0.3071



3.5899, 0.2338, 0.1062



0.0321, 0.2747, 0.1287

Inverse Universe

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



22.9696, 0.3213, 0.3222



39.5796, 0.3228, 0.3210



25.0514, 0.3103, 0.3456



5.0766, 0.3228, 0.3211



5.1684, 0.5459, 0.2781



0.0370, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 22.8282, 0.3090, 0.3102 looks on a white background.

Color Contrast Check

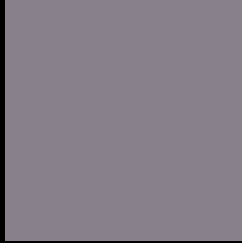
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8282, 0.3090, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

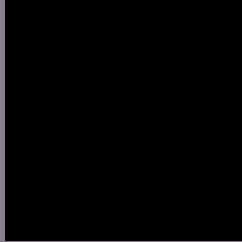
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

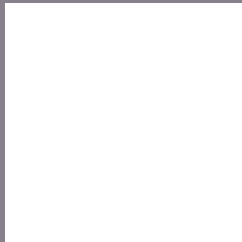
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8282, 0.3090, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 22.8282, 0.3090, 0.3102.



This preview shows how white text looks on a background with the Yxy color 22.8282, 0.3090, 0.3102.

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

22.8282, 0.3090, 0.3102

Protanopia

22.9810, 0.3023, 0.3117

Deuteranopia

22.9072, 0.3137, 0.3088



Tritanopia

22.7988, 0.3101, 0.3119

Trichromacy



Original Color

22.8282, 0.3090, 0.3102

Protanomaly

22.8749, 0.3045, 0.3101

Deuteranomaly

22.8208, 0.3125, 0.3087

Tritanomaly

22.7988, 0.3101, 0.3119

Monochromacy



Original Color

22.8282, 0.3090, 0.3102

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9684, 0.3108, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8282, 0.3090, 0.3102 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(136, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(136, 129, 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(136, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 129, 140) }
```

Border

The CSS property to change the border of an element to Yxy 22.8282, 0.3090, 0.3102 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(136, 129, 140) }
```

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

```
.border{ border-color:rgb(136, 129, 140) }
```

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

Here you see how a box with a 4 pixel rgb(136, 129, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(136, 129,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8282, 0.3090, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 129, 140) }
```

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

```
.background{ background-color: rgb(136,  
129, 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