

Converting Colors

$Y_{xy}(27.2132, 0.2766, 0.2935)$

Have a look what the booklet for
Yxy(27.2132, 0.2766, 0.2935)
contains.

Yxy(27.2117, 0.2760, 0.2932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(27.2117, 0.2760, 0.2932)$

Conversions

Conversions Part 1

Format	Color
Hex	7F90A6
RGB	127, 144, 166
RGB Percent	50%, 56%, 65%
CMY	0.5017, 0.4353, 0.3490
CMYK	0.23, 0.13, 0.00, 0.35
HSL	214°, 18%, 57%
HSV	214°, 23%, 65%
XYZ	25.6154, 27.2117, 39.9823
YIQ	141.4250, -17.1940, 3.2380

Conversions

Conversions Part 2

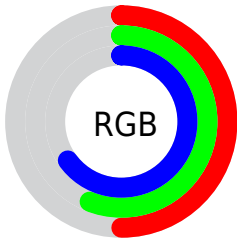
Format	Color
RYB	127, 139, 166
Decimal	8360102
CIELab	59.17, -1.04, -13.62
CIElCh	59, 13.655, 265.627
Yxy	27.2117, 0.2760, 0.2932
Android (android.graphics.Color)	4286550182 (0xFF7F90A6)
YUV	141.4250, 12.1155, -12.6507
Hunter-Lab	52.1648, -3.6366, -8.9280

Details

The Yxy color $27.2117, 0.2760, 0.2932$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $31.1617, 0.3526, 0.3623$, and the grayscale version is $26.7724, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.3119, 0.2834, 0.3011$, and $10.7981, 0.2632, 0.2814$ is the 20% darker color. If you saturate the color by 10%, you get $23.3151, 0.2594, 0.2752$, and if you desaturate by 10%, it is $31.5570, 0.2921, 0.3096$.

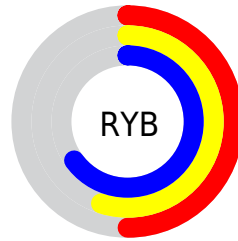
Distribution



Red (50%)

Green (56%)

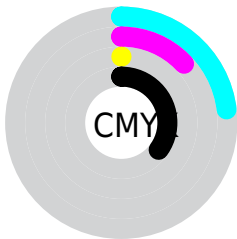
Blue (65%)



Red (50%)

Yellow (55%)

Blue (65%)

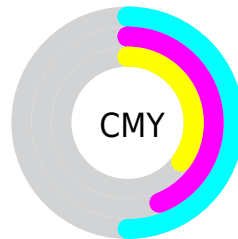


Cyan (23%)

Magenta (13%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (44%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2117, 0.2760, 0.2932 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 27.2117, 0.2760, 0.2932 by changing the saturation by 10% instead.

■ 27.2117, 0.2760,
0.2932

■ 27.2117, 0.2760,
0.2932

288.6807, 0.2958,
0.3126

■ 17.7323, 0.2705,
0.2878

■ 55.2234, 0.2836,
0.3006

■ 10.7580, 0.2632,
0.2805

■ 74.5245, 0.2863,
0.3033

■ 5.9043, 0.2527,
0.2702

■ 97.8682, 0.2886,
0.3055

■ 2.7870, 0.2369,
0.2544

125.6390, 0.2905,
0.3074

■ 1.0216, 0.2102,
0.2277

158.2212, 0.2921,
0.3090

■ 0.0000, 0.0000,
0.0000

195.9993, 0.2935,

0.3104

239.3577, 0.2947,
0.3116

■ 27.2117, 0.2760,
0.2932

■ 27.2117, 0.2760,
0.2932

■ 23.3151, 0.2594,
0.2752

■ 31.5570, 0.2921,
0.3096

■ 19.8478, 0.2428,
0.2557

■ 36.3626, 0.3076,
0.3243

■ 16.7939, 0.2266,
0.2350

■ 41.6442, 0.3222,
0.3374

■ 14.1349, 0.2113,
0.2135

■ 47.4152, 0.3358,
0.3490

■ 11.8508, 0.1976,
0.1918

■ 53.6888, 0.3485,
0.3592

■ 9.9190, 0.1859,
0.1706

■ 60.4775, 0.3602,
0.3681

■ 8.3137, 0.1767,
0.1505

■ 67.7934, 0.3710,
0.3759

■ 7.4082, 0.1717,
0.1381

■ 74.7136, 0.3771,
0.3835

■ 79.7518, 0.3740,
0.3925

Harmonies

Analogous

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



27.2117, 0.2694, 0.3046



27.2117, 0.2760, 0.2932



27.2117, 0.2923, 0.2913

Triad

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



27.2117, 0.2760, 0.2932



27.2117, 0.3532, 0.3323



27.2117, 0.3096, 0.3622

Complementary

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



27.2117, 0.2760, 0.2932



31.1617, 0.3526, 0.3623

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.



27.2117, 0.3323, 0.3695



27.2117, 0.2760, 0.2932



27.2117, 0.3580, 0.3510

Square

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



27.2117, 0.2760, 0.2932



27.2117, 0.3370, 0.3134



27.2117, 0.3502, 0.3649



27.2117, 0.2883, 0.3450

Rectangle

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



27.2117, 0.2760, 0.2932



27.2117, 0.3068, 0.2953



27.2117, 0.3502, 0.3649



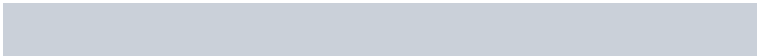
27.2117, 0.3173, 0.3660

Sweetspot

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



27.2128, 0.2760, 0.2932



62.6902, 0.3020, 0.3191



33.9454, 0.2923, 0.3572



13.9181, 0.3011, 0.3183



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.



27.2128, 0.2760, 0.2932



45.7064, 0.2677, 0.2843



22.6149, 0.2757, 0.2650



7.8169, 0.2987, 0.3159



5.8338, 0.1722, 0.1398



0.2444, 0.1906, 0.2060

Inverse Universe

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



25.3150, 0.3398, 0.3034



41.9061, 0.3474, 0.2975



36.7083, 0.3454, 0.3866



7.5944, 0.3220, 0.3192



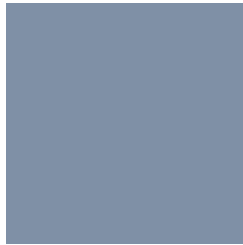
6.6600, 0.5194, 0.2635



0.1724, 0.4385, 0.2189

Previews

White Background



This preview shows how the Yxy color 27.2117, 0.2760, 0.2932 looks on a white background.

Color Contrast Check

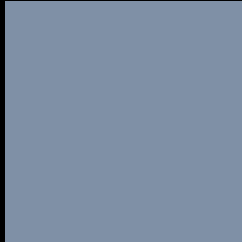
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2117, 0.2760, 0.2932 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

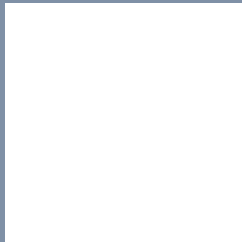
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2117, 0.2760, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 27.2117, 0.2760, 0.2932.



This preview shows how white text looks on a background with the Yxy color 27.2117, 0.2760, 0.2932.

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

27.2117, 0.2760, 0.2932

Protanopia

27.1334, 0.2878, 0.2924

Deuteranopia

27.1846, 0.2909, 0.2854



Tritanopia

27.0451, 0.2818, 0.3090

Trichromacy



Original Color

27.2117, 0.2760, 0.2932

Protanomaly

27.1309, 0.2831, 0.2921

Deuteranomaly

27.2430, 0.2852, 0.2879

Tritanomaly

27.2245, 0.2802, 0.3042

Monochromacy



Original Color

27.2117, 0.2760, 0.2932

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7823, 0.2987, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2117, 0.2760, 0.2932 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, 144, 166)` looks like.

```
.text, #text, p{  
    color:rgb(127, 144, 166)  
}
```

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, 144, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 144, 166) }
```

Border

The CSS property to change the border of an element to Yxy 27.2117, 0.2760, 0.2932 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, 144, 166) }
```

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

```
.border{ border-color:rgb(127, 144, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 144, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 144, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 144, 166);  
box-shadow:4px 4px 4px 4px rgb(127, 144,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2117, 0.2760, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 144, 166) }
```

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

```
.background{ background-color: rgb(127,  
144, 166) }
```

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