

Converting Colors

$Y_{xy}(27.8473, 0.2664, 0.2753)$

Have a look what the booklet for
Yxy(27.8473, 0.2664, 0.2753)
contains.

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Color

Yxy(27.7132, 0.2656, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	7F90B3
RGB	127, 144, 179
RGB Percent	50%, 56%, 70%
CMY	0.5018, 0.4353, 0.2981
CMYK	0.29, 0.20, 0.00, 0.30
HSL	220°, 25%, 60%
HSV	220°, 29%, 70%
XYZ	26.8636, 27.7132, 46.5663
YIQ	142.9070, -21.3670, 7.2810

Conversions

Conversions Part 2

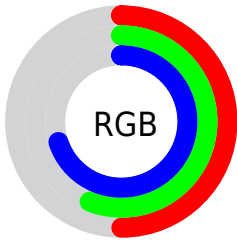
Format	Color
RYB	127, 140, 179
Decimal	8360115
CIELab	59.63, 2.14, -20.29
CIElCh	60, 20.403, 276.031
Yxy	27.7132, 0.2656, 0.2740
Android (android.graphics.Color)	4286550195 (0xFF7F90B3)
YUV	142.9070, 17.7938, -13.9504
Hunter-Lab	52.6433, -1.0383, -15.5953

Details

The Yxy color **27.7132, 0.2656, 0.2740** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.9574, 0.3619, 0.3784**, and the grayscale version is **27.3656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2101, 0.2753, 0.2853**, and **11.0483, 0.2494, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **23.0016, 0.2479, 0.2512**, and if you desaturate by 10%, it is **33.0609, 0.2827, 0.2949**.

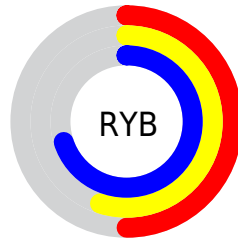
Distribution



Red (50%)

Green (56%)

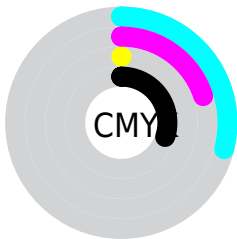
Blue (70%)



Red (50%)

Yellow (55%)

Blue (70%)

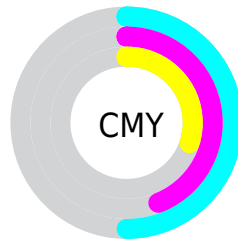


Cyan (29%)

Magenta (20%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7132, 0.2656, 0.2740 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 27.7132, 0.2656, 0.2740 by changing the saturation by 10% instead.

■ 27.7132, 0.2656,
0.2740

■ 27.7132, 0.2656,
0.2740

■ 291.0939, 0.2909,
0.3033

■ 18.1096, 0.2587,
0.2661

■ 56.0262, 0.2752,
0.2851

■ 11.0287, 0.2495,
0.2556

■ 75.5044, 0.2787,
0.2891

■ 6.0861, 0.2366,
0.2410

■ 99.0429, 0.2816,
0.2925

■ 2.8975, 0.2176,
0.2196

■ 127.0261, 0.2840,
0.2953

■ 1.0785, 0.1868,
0.1855

■ 159.8384, 0.2861,
0.2978

■ 0.0000, 0.0092,
0.0000

■ 197.8643, 0.2879,

■ 0.0000, 0.0000,

0.2999

0.0000

241.4879, 0.2895,
0.3017

■ 27.7132, 0.2656,
0.2740

■ 27.7132, 0.2656,
0.2740

■ 23.0016, 0.2479,
0.2512

■ 33.0609, 0.2827,
0.2949

■ 18.8976, 0.2301,
0.2267

■ 39.0650, 0.2990,
0.3138

■ 15.3756, 0.2128,
0.2013

■ 45.7488, 0.3142,
0.3306

■ 12.4062, 0.1969,
0.1757

■ 53.1337, 0.3281,
0.3454

■ 9.9575, 0.1830,
0.1510

■ 61.2399, 0.3409,
0.3584

■ 7.9932, 0.1719,
0.1283

■ 70.0869, 0.3526,
0.3697

■ 6.4587, 0.1637,
0.1084

■ 79.6932, 0.3632,
0.3796

■ 6.3259, 0.1630,
0.1066

■ 87.0766, 0.3618,
0.3906

■ 94.4260, 0.3586,
0.4015

Harmonies

Analogous

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



27.7132, 0.2510, 0.2853



27.7132, 0.2656, 0.2740



27.7132, 0.2930, 0.2765

Triad

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



27.7132, 0.2656, 0.2740



27.7132, 0.3778, 0.3428



27.7132, 0.2960, 0.3717

Complementary

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



27.7132, 0.2656, 0.2740



36.9574, 0.3619, 0.3784

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.



27.7132, 0.3298, 0.3884



27.7132, 0.2656, 0.2740



27.7132, 0.3781, 0.3690

Square

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



27.7132, 0.2656, 0.2740



27.7132, 0.3588, 0.3149



27.7132, 0.3601, 0.3865



27.7132, 0.2678, 0.3416

Rectangle

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



27.7132, 0.2656, 0.2740



27.7132, 0.3155, 0.2852



27.7132, 0.3601, 0.3865



27.7132, 0.3071, 0.3791

Sweetspot

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



27.7143, 0.2656, 0.2740



69.8383, 0.2988, 0.3135



39.3405, 0.2834, 0.3555



15.1128, 0.2965, 0.3109



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.7143, 0.2656, 0.2740



43.9789, 0.2540, 0.2592



23.6496, 0.2710, 0.2481



8.6684, 0.2985, 0.3132



4.5788, 0.1635, 0.1087



0.2532, 0.1800, 0.1680

Inverse Universe

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



26.7817, 0.3551, 0.3047



42.4322, 0.3685, 0.2989



42.3439, 0.3476, 0.4022



8.5495, 0.3237, 0.3216



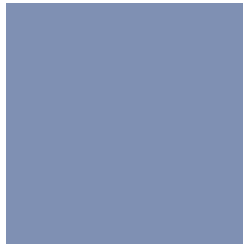
7.0024, 0.5629, 0.2875



0.2313, 0.4832, 0.2435

Previews

White Background



This preview shows how the Yxy color 27.7132, 0.2656, 0.2740 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 27.7132, 0.2656, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

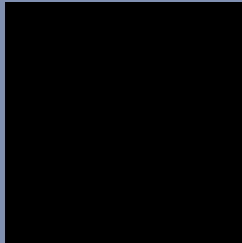
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

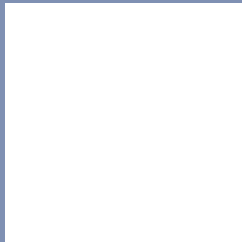
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7132, 0.2656, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 27.7132, 0.2656, 0.2740.



This preview shows how white text looks on a background with the Yxy color 27.7132, 0.2656, 0.2740.

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

27.7132, 0.2656, 0.2740

Protanopia

27.7113, 0.2731, 0.2732

Deuteranopia

27.8340, 0.2750, 0.2694



Tritanopia

27.5816, 0.2785, 0.3090

Trichromacy



Original Color

27.7132, 0.2656, 0.2740

Protanomaly

27.7648, 0.2706, 0.2744

Deuteranomaly

27.7922, 0.2715, 0.2704

Tritanomaly

27.5960, 0.2735, 0.2963

Monochromacy



Original Color

27.7132, 0.2656, 0.2740

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.3636, 0.2942, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7132, 0.2656, 0.2740 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(127, 144, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 144, 179) }
```

Border

The CSS property to change the border of an element to Yxy 27.7132, 0.2656, 0.2740 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, 179) }
```

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

```
.border{ border-color:rgb(127, 144, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 144, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 144, 179); box-shadow:4px 4px 4px 4px rgb(127, 144, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7132, 0.2656, 0.2740 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, 179) }
```

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

```
.background{ background-color: rgb(127,  
144, 179) }
```

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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