

Converting Colors

$Y_{xy}(27.7875, 0.2768, 0.2966)$

Have a look what the booklet for
Yxy(27.7875, 0.2768, 0.2966)
contains.

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Color

Yxy(27.8230, 0.2762, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	7F92A6
RGB	127, 146, 166
RGB Percent	50%, 57%, 65%
CMY	0.5021, 0.4274, 0.3491
CMYK	0.24, 0.12, 0.00, 0.35
HSL	211°, 18%, 57%
HSV	211°, 24%, 65%
XYZ	25.9093, 27.8230, 40.0741
YIQ	142.5990, -17.7440, 2.1920

Conversions

Conversions Part 2

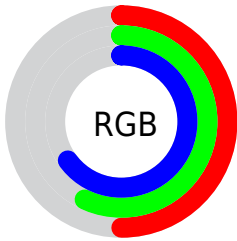
Format	Color
R_{YB}	127, 140, 166
Decimal	8360614
CIE _{Lab}	59.73, -2.22, -12.76
CIE _{LCh}	60, 12.953, 260.138
Yxy	27.8230, 0.2762, 0.2966
Android (android.graphics.Color)	4286550694 (0xFF7F92A6)
YUV	142.5990, 11.5367, -13.6803
Hunter-Lab	52.7475, -4.6297, -8.1214

Details

The Yxy color $27.8230, 0.2762, 0.2966$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $30.4858, 0.3534, 0.3594$, and the grayscale version is $27.2569, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2323, 0.2835, 0.3035$, and $11.1584, 0.2638, 0.2863$ is the 20% darker color. If you saturate the color by 10%, you get $24.1301, 0.2600, 0.2804$, and if you desaturate by 10%, it is $31.9229, 0.2921, 0.3114$.

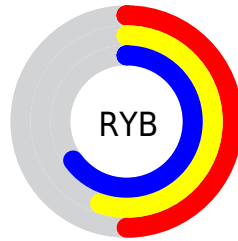
Distribution



Red (50%)

Green (57%)

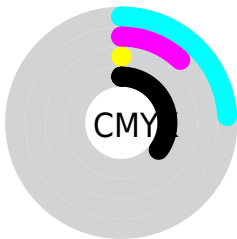
Blue (65%)



Red (50%)

Yellow (55%)

Blue (65%)

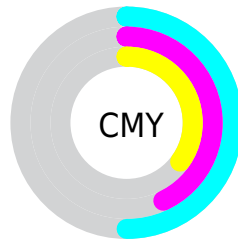


Cyan (24%)

Magenta (12%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (43%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8230, 0.2762, 0.2966 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 27.8230, 0.2762, 0.2966 by changing the saturation by 10% instead.

■ 27.8230, 0.2762,
0.2966

■ 27.8230, 0.2762,
0.2966

■ 291.6202, 0.2958,
0.3142

■ 18.1923, 0.2708,
0.2917

■ 56.2017, 0.2837,
0.3033

■ 11.0881, 0.2636,
0.2851

■ 75.7185, 0.2864,
0.3058

■ 6.1261, 0.2533,
0.2757

■ 99.2995, 0.2886,
0.3078

■ 2.9219, 0.2379,
0.2614

■ 127.3289, 0.2905,
0.3095

■ 1.0911, 0.2120,
0.2370

■ 160.1914, 0.2921,
0.3109

■ 0.0000, 0.0000,
0.0000

198.2711, 0.2935,

0.3121

241.9526, 0.2948,
0.3132

■ 27.8230, 0.2762,
0.2966

■ 27.8230, 0.2762,
0.2966

■ 24.1301, 0.2600,
0.2804

■ 31.9229, 0.2921,
0.3114

■ 20.8262, 0.2440,
0.2629

■ 36.4399, 0.3075,
0.3247

■ 17.8970, 0.2284,
0.2442

■ 41.3882, 0.3222,
0.3366

■ 15.3257, 0.2139,
0.2248

■ 46.7800, 0.3360,
0.3471

■ 13.0941, 0.2009,
0.2051

■ 52.6272, 0.3490,
0.3564

■ 11.1815, 0.1899,
0.1856

■ 58.9410, 0.3611,
0.3645

■ 9.5642, 0.1812,
0.1669

■ 65.7323, 0.3723,
0.3717

■ 8.6408, 0.1764,
0.1552

■ 72.0983, 0.3789,
0.3786

■ 76.5114, 0.3760,
0.3868

Harmonies

Analogous

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



27.8230, 0.2718, 0.3089



27.8230, 0.2762, 0.2966



27.8230, 0.2901, 0.2931

Triad

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



27.8230, 0.2762, 0.2966



27.8230, 0.3487, 0.3288



27.8230, 0.3138, 0.3623

Complementary

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



27.8230, 0.2762, 0.2966



30.4858, 0.3534, 0.3594

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.



27.8230, 0.3348, 0.3671



27.8230, 0.2762, 0.2966



27.8230, 0.3554, 0.3468

Square

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



27.8230, 0.2762, 0.2966



27.8230, 0.3320, 0.3114



27.8230, 0.3502, 0.3610



27.8230, 0.2931, 0.3475

Rectangle

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



27.8230, 0.2762, 0.2966



27.8230, 0.3032, 0.2958



27.8230, 0.3502, 0.3610



27.8230, 0.3211, 0.3651

Sweetspot

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



27.8241, 0.2762, 0.2966



63.0873, 0.3020, 0.3200



33.8672, 0.2939, 0.3605



14.0136, 0.3011, 0.3193



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.



27.8241, 0.2762, 0.2966



47.0555, 0.2681, 0.2887



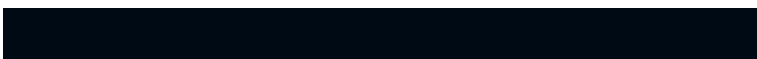
22.4326, 0.2737, 0.2645



7.8824, 0.2987, 0.3172



6.7947, 0.1769, 0.1568



0.2681, 0.1941, 0.2187

Inverse Universe

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



25.3516, 0.3375, 0.3002



42.0423, 0.3443, 0.2938



36.9044, 0.3474, 0.3863



7.6011, 0.3212, 0.3180



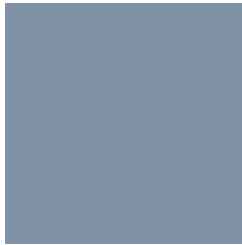
6.7570, 0.4972, 0.2513



0.1748, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 27.8230, 0.2762, 0.2966 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 27.8230, 0.2762, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

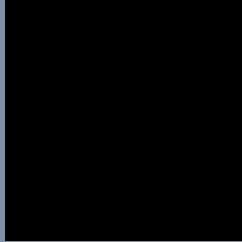
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

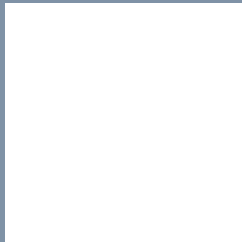
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8230, 0.2762, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 27.8230, 0.2762, 0.2966.



This preview shows how white text looks on a background with the Yxy color 27.8230, 0.2762, 0.2966.

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

27.8230, 0.2762, 0.2966

Protanopia

27.9007, 0.2899, 0.2959

Deuteranopia

27.6572, 0.2930, 0.2873



Tritanopia

27.8063, 0.2813, 0.3092

Trichromacy



Original Color

27.8230, 0.2762, 0.2966

Protanomaly

27.8140, 0.2843, 0.2955

Deuteranomaly

27.6250, 0.2862, 0.2897

Tritanomaly

27.9117, 0.2787, 0.3044

Monochromacy



Original Color

27.8230, 0.2762, 0.2966

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.4992, 0.2988, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8230, 0.2762, 0.2966 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, 146, 166)` looks like.

```
.text, #text, p{  
    color:rgb(127, 146, 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, 146, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 146, 166) }
```

Border

The CSS property to change the border of an element to Yxy 27.8230, 0.2762, 0.2966 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, 146, 166) }
```

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

```
.border{ border-color:rgb(127, 146, 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, 146, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 146, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 146, 166);  
box-shadow:4px 4px 4px 4px rgb(127, 146,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8230, 0.2762, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 146, 166) }
```

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

```
.background{ background-color: rgb(127,  
146, 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](#).

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