

Converting Colors

$Y_{xy}(27.2210, 0.2605, 0.2970)$

Have a look what the booklet for
Yxy(27.2210, 0.2605, 0.2970)
contains.

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Color

$Y_{xy}(27.2210, 0.2605, 0.2970)$

Conversions

Conversions Part 1

Format	Color
Hex	6D94A7
RGB	109, 148, 167
RGB Percent	43%, 58%, 65%
CMY	0.5724, 0.4196, 0.3451
CMYK	0.35, 0.11, 0.00, 0.35
HSL	200°, 25%, 54%
HSV	200°, 35%, 65%
XYZ	23.8757, 27.2210, 40.5565
YIQ	138.5050, -29.3430, -2.3590

Conversions

Conversions Part 2

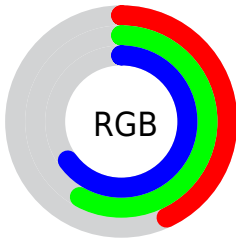
Format	Color
R_{YB}	109, 132, 167
Decimal	7181479
CIE _{Lab}	59.18, -8.56, -14.28
CIE _{LCh}	59, 16.653, 239.060
Yxy	27.2210, 0.2605, 0.2970
Android (android.graphics.Color)	4285371559 (0xFF6D94A7)
YUV	138.5050, 14.0480, -25.8759
Hunter-Lab	52.1737, -9.6192, -9.5666

Details

The Yxy color **27.2210, 0.2605, 0.2970** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.7736, 0.3826, 0.3587**, and the grayscale version is **25.5760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1964, 0.2710, 0.3040**, and **10.6867, 0.2424, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **24.5832, 0.2464, 0.2860**, and if you desaturate by 10%, it is **30.1435, 0.2753, 0.3072**.

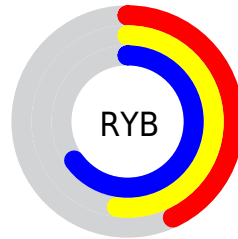
Distribution



Red (43%)

Green (58%)

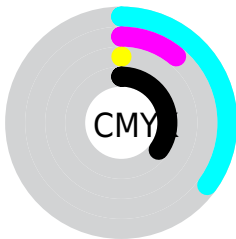
Blue (65%)



Red (43%)

Yellow (52%)

Blue (65%)

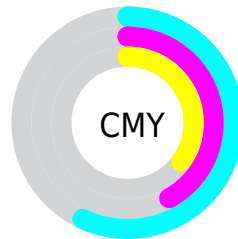


Cyan (35%)

Magenta (11%)

Yellow (0%)

Black (35%)



Cyan (57%)


Magenta (42%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2210, 0.2605, 0.2970 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 27.2210, 0.2605, 0.2970 by changing the saturation by 10% instead.


 27.2210, 0.2605,
0.2970


 27.2210, 0.2605,
0.2970


288.7256, 0.2885,
0.3147

 17.7393, 0.2529,
0.2920


 55.2383, 0.2711,
0.3039

 10.7630, 0.2427,
0.2851


 74.5427, 0.2750,
0.3063

 5.9077, 0.2285,
0.2751

 97.8900, 0.2782,
0.3083

 2.7890, 0.2073,
0.2596

 125.6648, 0.2809,
0.3100

 1.0226, 0.1723,
0.2328

158.2513, 0.2832,
0.3115

 0.0000, 0.0000,
0.0000

196.0340, 0.2852,

0.3127

239.3973, 0.2869,
0.3138

■ 27.2210, 0.2605,
0.2970

■ 27.2210, 0.2605,
0.2970

■ 24.5832, 0.2464,
0.2860

■ 30.1435, 0.2753,
0.3072

■ 22.2144, 0.2332,
0.2744

■ 33.3592, 0.2904,
0.3167

■ 20.1020, 0.2215,
0.2624

■ 36.8799, 0.3056,
0.3253

■ 18.2306, 0.2114,
0.2500

■ 40.7159, 0.3206,
0.3330

■ 16.5830, 0.2032,
0.2377

■ 44.8769, 0.3352,
0.3399

■ 15.1380, 0.1970,
0.2254

■ 49.3721, 0.3493,
0.3461

■ 14.4290, 0.1942,
0.2190

■ 54.2103, 0.3628,
0.3515

■ 59.4001, 0.3756,
0.3562

■ 64.1155, 0.3841,
0.3608

Harmonies

Analogous

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



27.2210, 0.2642, 0.3191



27.2210, 0.2605, 0.2970



27.2210, 0.2699, 0.2847

Triad

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



27.2210, 0.2605, 0.2970



27.2210, 0.3452, 0.3125



27.2210, 0.3334, 0.3784

Complementary

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



27.2210, 0.2605, 0.2970



24.7736, 0.3826, 0.3587

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.



27.2210, 0.3564, 0.3740



27.2210, 0.2605, 0.2970



27.2210, 0.3637, 0.3354

Square

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



27.2210, 0.2605, 0.2970



27.2210, 0.3181, 0.2940



27.2210, 0.3677, 0.3578



27.2210, 0.3055, 0.3680

Rectangle

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



27.2210, 0.2605, 0.2970



27.2210, 0.2827, 0.2829



27.2210, 0.3677, 0.3578



27.2210, 0.3420, 0.3785

Sweetspot

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



27.2221, 0.2605, 0.2970



62.5249, 0.2973, 0.3207



32.4357, 0.2938, 0.3973



13.8031, 0.2953, 0.3195



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.



27.2221, 0.2605, 0.2970



44.9053, 0.2490, 0.2882



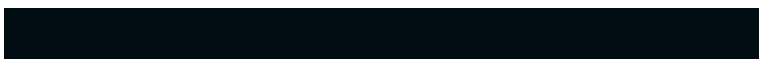
19.3980, 0.2540, 0.2467



8.1111, 0.2987, 0.3214



11.1327, 0.1945, 0.2201



0.3582, 0.2057, 0.2603

Inverse Universe

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



21.3006, 0.3397, 0.2704



33.1456, 0.3481, 0.2568



33.2251, 0.3686, 0.3996



7.6241, 0.3185, 0.3139



7.1949, 0.4231, 0.2104



0.1839, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 27.2210, 0.2605, 0.2970 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 27.2210, 0.2605, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

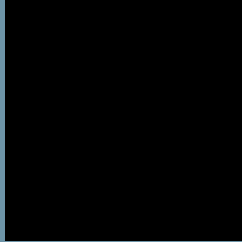
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2210, 0.2605, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 27.2210, 0.2605, 0.2970.



This preview shows how white text looks on a background with the Yxy color 27.2210, 0.2605, 0.2970.

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

27.2210, 0.2605, 0.2970

Protanopia

27.0617, 0.2896, 0.2954

Deuteranopia

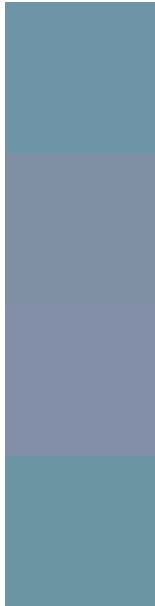
27.1695, 0.2881, 0.2824



Tritanopia

27.2562, 0.2644, 0.3084

Trichromacy



Original Color

27.2210, 0.2605, 0.2970

Protanomaly

27.1389, 0.2776, 0.2963

Deuteranomaly

26.9984, 0.2777, 0.2873

Tritanomaly

27.3274, 0.2629, 0.3051

Monochromacy



Original Color

27.2210, 0.2605, 0.2970

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.1051, 0.2916, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2210, 0.2605, 0.2970 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(109, 148, 167)` looks like.

```
.text, #text, p{  
    color:rgb(109, 148, 167)  
}
```

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(109, 148, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 148, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.2210, 0.2605, 0.2970 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(109, 148, 167) }
```

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

```
.border{ border-color:rgb(109, 148, 167) }
```

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

Here you see how a box with a 4 pixel rgb(109, 148, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 148, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 148, 167);  
box-shadow:4px 4px 4px 4px rgb(109, 148,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2210, 0.2605, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 148, 167) }
```

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

```
.background{ background-color: rgb(109,  
148, 167) }
```

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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