

Converting Colors

$Y_{xy}(25.9012, 0.2408, 0.2881)$

Have a look what the booklet for
Yxy(25.9012, 0.2408, 0.2881)
contains.

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Color

Yxy(25.7861, 0.2409, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	5693AB
RGB	86, 147, 171
RGB Percent	34%, 58%, 67%
CMY	0.6624, 0.4236, 0.3294
CMYK	0.50, 0.14, 0.00, 0.33
HSL	197°, 34%, 50%
HSV	197°, 50%, 67%
XYZ	21.6291, 25.7861, 42.3693
YIQ	131.4970, -44.0600, -5.4680

Conversions

Conversions Part 2

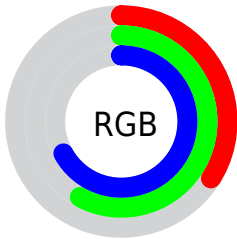
Format	Color
R _Y B	86, 122, 171
Decimal	5673899
CIE Lab	57.83, -12.99, -18.71
CIE LCh	58, 22.780, 235.240
Yxy	25.7861, 0.2409, 0.2872
Android (android.graphics.Color)	4283863979 (0xFF5693AB)
YUV	131.4970, 19.4750, -39.9009
Hunter-Lab	50.7800, -12.8353, -13.9238

Details

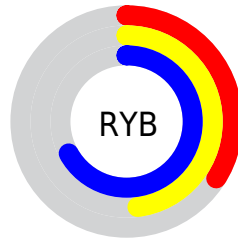
The Yxy color **25.7861, 0.2409, 0.2872** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5098, 0.4291, 0.3656**, and the grayscale version is **22.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9270, 0.2558, 0.2969**, and **9.9307, 0.2162, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **23.5961, 0.2290, 0.2771**, and if you desaturate by 10%, it is **28.2356, 0.2541, 0.2969**.

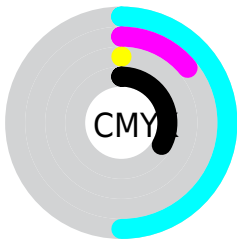
Distribution



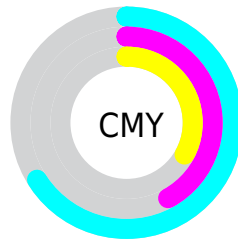
- Red (34%)
- Green (58%)
- Blue (67%)



- Red (34%)
- Yellow (48%)
- Blue (67%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7861, 0.2409, 0.2872 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 25.7861, 0.2409, 0.2872 by changing the saturation by 10% instead.

■ 25.7861, 0.2409,
0.2872

■ 25.7861, 0.2409,
0.2872

281.7305, 0.2793,
0.3107

■ 16.6637, 0.2305,
0.2804

■ 52.9297, 0.2554,
0.2964

■ 9.9950, 0.2168,
0.2711

■ 71.7196, 0.2607,
0.2996

■ 5.3956, 0.1977,
0.2576

■ 94.5009, 0.2651,
0.3023

■ 2.4812, 0.1700,
0.2366

■ 121.6578, 0.2688,
0.3045

■ 0.8672, 0.1183,
0.2023

153.5749, 0.2720,
0.3064

■ 0.0000, 0.0000,
0.0000

190.6364, 0.2748,

0.3080

233.2268, 0.2772,
0.3094

■ 25.7861, 0.2409,
0.2872

■ 25.7861, 0.2409,
0.2872

■ 23.5961, 0.2290,
0.2771

■ 28.2356, 0.2541,
0.2969

■ 21.6479, 0.2187,
0.2667

■ 30.9551, 0.2682,
0.3060

■ 19.9256, 0.2102,
0.2561

■ 33.9579, 0.2830,
0.3144

■ 18.4098, 0.2037,
0.2456

■ 37.2555, 0.2981,
0.3222

■ 17.0603, 0.1987,
0.2352

■ 40.8587, 0.3132,
0.3292

■ 17.0150, 0.1986,
0.2348

■ 44.7776, 0.3282,
0.3356

■ 49.0218, 0.3428,
0.3412

■ 53.6006, 0.3569,
0.3462

■ 58.5226, 0.3704,
0.3506

Harmonies

Analogous

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



25.7861, 0.2480, 0.3190



25.7861, 0.2409, 0.2872



25.7861, 0.2513, 0.2692

Triad

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



25.7861, 0.2409, 0.2872



25.7861, 0.3534, 0.3024



25.7861, 0.3454, 0.3989

Complementary

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



25.7861, 0.2409, 0.2872



20.5098, 0.4291, 0.3656

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.



25.7861, 0.3762, 0.3889



25.7861, 0.2409, 0.2872



25.7861, 0.3817, 0.3327

Square

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



25.7861, 0.2409, 0.2872



25.7861, 0.3147, 0.2789



25.7861, 0.3901, 0.3640



25.7861, 0.3071, 0.3875

Rectangle

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



25.7861, 0.2409, 0.2872



25.7861, 0.2673, 0.2659



25.7861, 0.3901, 0.3640



25.7861, 0.3571, 0.3977

Sweetspot

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



25.7871, 0.2409, 0.2872



63.3353, 0.2896, 0.3179



32.2107, 0.2904, 0.4421



13.8585, 0.2865, 0.3163



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



25.7871, 0.2409, 0.2872



41.7382, 0.2274, 0.2756



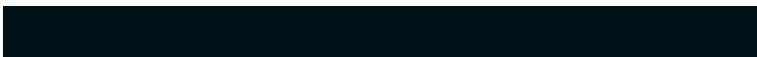
15.2130, 0.2265, 0.2108



8.6833, 0.2986, 0.3224



12.9180, 0.1989, 0.2358



0.4459, 0.2076, 0.2673

Inverse Universe

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



17.4361, 0.3505, 0.2406



26.0763, 0.3627, 0.2236



31.5287, 0.3972, 0.4234



8.1088, 0.3179, 0.3129



7.6071, 0.4066, 0.2013



0.2204, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 25.7861, 0.2409, 0.2872 looks on a white background.

Color Contrast Check

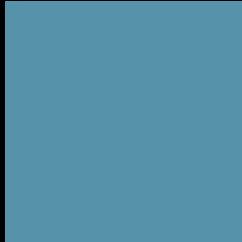
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7861, 0.2409, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

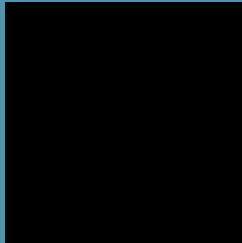
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7861, 0.2409, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 25.7861, 0.2409, 0.2872.



This preview shows how white text looks on a background with the Yxy color 25.7861, 0.2409, 0.2872.

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

25.7861, 0.2409, 0.2872

Protanopia

25.5582, 0.2826, 0.2853

Deuteranopia

25.6938, 0.2756, 0.2705



Tritanopia

25.9071, 0.2462, 0.3074

Trichromacy



Original Color

25.7861, 0.2409, 0.2872

Protanomaly

25.5528, 0.2648, 0.2855

Deuteranomaly

25.5166, 0.2616, 0.2763

Tritanomaly

25.7812, 0.2438, 0.2988

Monochromacy



Original Color

25.7861, 0.2409, 0.2872

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.6115, 0.2810, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7861, 0.2409, 0.2872 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(86, 147, 171)` looks like.

```
.text, #text, p{  
    color:rgb(86, 147, 171)  
}
```

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(86, 147, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 147, 171) }
```

Border

The CSS property to change the border of an element to Yxy 25.7861, 0.2409, 0.2872 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(86, 147, 171) }
```

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

```
.border{ border-color:rgb(86, 147, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 147, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 147, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 147, 171);  
box-shadow:4px 4px 4px 4px rgb(86, 147,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7861, 0.2409, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 147, 171) }
```

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

```
.background{ background-color: rgb(86, 147,  
171) }
```

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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