

Converting Colors

$Y_{xy}(26.9617, 0.2464, 0.2854)$

Have a look what the booklet for
Yxy(26.9617, 0.2464, 0.2854)
contains.

Yxy(27.0923, 0.2469, 0.2868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0923, 0.2469, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	6195AE
RGB	97, 149, 174
RGB Percent	38%, 58%, 68%
CMY	0.6193, 0.4157, 0.3176
CMYK	0.44, 0.14, 0.00, 0.32
HSL	200°, 32%, 53%
HSV	200°, 44%, 68%
XYZ	23.3232, 27.0923, 44.0486
YIQ	136.3020, -39.0170, -3.2490

Conversions

Conversions Part 2

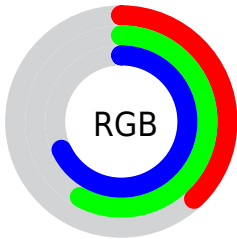
Format	Color
R_{YB}	97, 128, 174
Decimal	6395310
CIE _{Lab}	59.06, -10.50, -18.50
CIE _{LCh}	59, 21.277, 240.422
Yxy	27.0923, 0.2469, 0.2868
Android (android.graphics.Color)	4284585390 (0xFF6195AE)
YUV	136.3020, 18.5851, -34.4679
Hunter-Lab	52.0503, -11.1040, -13.7402

Details

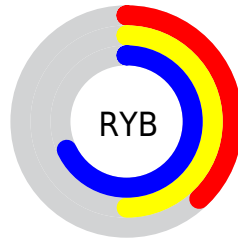
The Yxy color **27.0923, 0.2469, 0.2868** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.8053, 0.4096, 0.3667**, and the grayscale version is **24.6857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0044, 0.2598, 0.2952**, and **10.6541, 0.2245, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **24.4921, 0.2337, 0.2753**, and if you desaturate by 10%, it is **29.9913, 0.2611, 0.2977**.

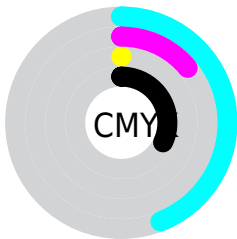
Distribution



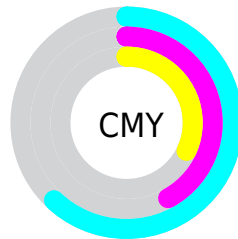
- Red (38%)
- Green (58%)
- Blue (68%)



- Red (38%)
- Yellow (50%)
- Blue (68%)



- Cyan (44%)
- Magenta (14%)
- Yellow (0%)
- Black (32%)



- Cyan (62%)
- Magenta (42%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0923, 0.2469, 0.2868 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 27.0923, 0.2469, 0.2868 by changing the saturation by 10% instead.

■ 27.0923, 0.2469,
0.2868

■ 27.0923, 0.2469,
0.2868

288.1037, 0.2819,
0.3101

■ 17.6426, 0.2375,
0.2802

■ 55.0319, 0.2601,
0.2959

■ 10.6937, 0.2250,
0.2712

■ 74.2906, 0.2649,
0.2991

■ 5.8612, 0.2078,
0.2583

■ 97.5878, 0.2690,
0.3017

■ 2.7609, 0.1827,
0.2386

■ 125.3077, 0.2723,
0.3040

■ 1.0082, 0.1421,
0.2056

157.8349, 0.2753,
0.3059

■ 0.0000, 0.0000,
0.0000

195.5537, 0.2778,

0.3075

238.8485, 0.2800,
0.3089

■ 27.0923, 0.2469,
0.2868

■ 27.0923, 0.2469,
0.2868

■ 24.4921, 0.2337,
0.2753

■ 29.9913, 0.2611,
0.2977

■ 22.1724, 0.2219,
0.2633

■ 33.1998, 0.2759,
0.3078

■ 20.1177, 0.2118,
0.2511

■ 36.7316, 0.2911,
0.3172

■ 18.3087, 0.2036,
0.2388

■ 40.5985, 0.3063,
0.3257

■ 16.7226, 0.1974,
0.2266

■ 44.8120, 0.3214,
0.3333

■ 15.8779, 0.1943,
0.2196

■ 49.3826, 0.3360,
0.3402

■ 54.3205, 0.3501,
0.3462

■ 59.6354, 0.3636,
0.3516

■ 65.3366, 0.3764,
0.3563

Harmonies

Analogous

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



27.0923, 0.2507, 0.3143



27.0923, 0.2469, 0.2868



27.0923, 0.2593, 0.2724

Triad

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



27.0923, 0.2469, 0.2868



27.0923, 0.3556, 0.3091



27.0923, 0.3371, 0.3926

Complementary

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



27.0923, 0.2469, 0.2868



23.8053, 0.4096, 0.3667

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.



27.0923, 0.3672, 0.3869



27.0923, 0.2469, 0.2868



27.0923, 0.3788, 0.3378

Square

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



27.0923, 0.2469, 0.2868



27.0923, 0.3210, 0.2858



27.0923, 0.3830, 0.3661



27.0923, 0.3016, 0.3786

Rectangle

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



27.0923, 0.2469, 0.2868



27.0923, 0.2756, 0.2709



27.0923, 0.3830, 0.3661



27.0923, 0.3483, 0.3928

Sweetspot

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



27.0933, 0.2469, 0.2868



67.2834, 0.2926, 0.3180



34.2120, 0.2895, 0.4205



14.6304, 0.2893, 0.3161



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.0933, 0.2469, 0.2868



44.5447, 0.2341, 0.2756



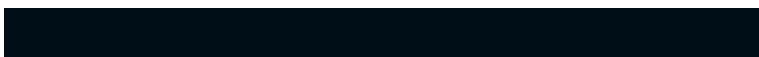
17.0090, 0.2354, 0.2190



8.6263, 0.2986, 0.3215



11.6264, 0.1947, 0.2209



0.4172, 0.2049, 0.2575

Inverse Universe

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



19.7318, 0.3496, 0.2539



30.3925, 0.3610, 0.2388



34.9723, 0.3852, 0.4187



8.1031, 0.3185, 0.3138



7.4767, 0.4222, 0.2100



0.2175, 0.3848, 0.1894

Previews

White Background



This preview shows how the Yxy color 27.0923, 0.2469, 0.2868 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 27.0923, 0.2469, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

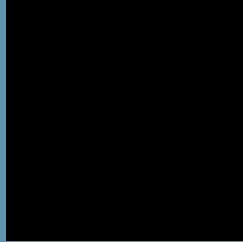
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0923, 0.2469, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 27.0923, 0.2469, 0.2868.



This preview shows how white text looks on a background with the Yxy color 27.0923, 0.2469, 0.2868.

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

27.0923, 0.2469, 0.2868

Protanopia

26.8176, 0.2823, 0.2846

Deuteranopia

27.0031, 0.2772, 0.2717



Tritanopia

27.1572, 0.2529, 0.3080

Trichromacy



Original Color

27.0923, 0.2469, 0.2868

Protanomaly

26.6848, 0.2681, 0.2850

Deuteranomaly

26.9510, 0.2650, 0.2776

Tritanomaly

27.0356, 0.2505, 0.2997

Monochromacy



Original Color

27.0923, 0.2469, 0.2868

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3893, 0.2847, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0923, 0.2469, 0.2868 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(97, 149, 174)` looks like.

```
.text, #text, p{  
    color:rgb(97, 149, 174)  
}
```

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(97, 149, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 149, 174) }
```

Border

The CSS property to change the border of an element to Yxy 27.0923, 0.2469, 0.2868 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(97, 149, 174) }
```

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

```
.border{ border-color:rgb(97, 149, 174) }
```

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

Here you see how a box with a 4 pixel rgb(97, 149, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 149, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 149, 174);  
box-shadow:4px 4px 4px 4px rgb(97, 149,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0923, 0.2469, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 149, 174) }
```

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

```
.background{ background-color: rgb(97, 149,  
174) }
```

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