

Converting Colors

$Y_{xy}(29.2810, 0.2423, 0.2970)$

Have a look what the booklet for
Yxy(29.2810, 0.2423, 0.2970)
contains.

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Color

$\text{Yxy}(29.3232, 0.2423, 0.2971)$

Conversions

Conversions Part 1

Format	Color
Hex	589DB0
RGB	88, 157, 176
RGB Percent	35%, 62%, 69%
CMY	0.6550, 0.3843, 0.3099
CMYK	0.50, 0.11, 0.00, 0.31
HSL	193°, 36%, 52%
HSV	193°, 50%, 69%
XYZ	23.9145, 29.3232, 45.4603
YIQ	138.5350, -47.2230, -8.7190

Conversions

Conversions Part 2

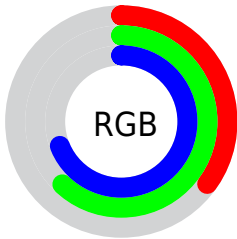
Format	Color
R_{YB}	88, 127, 176
Decimal	5807536
CIE _{Lab}	61.07, -16.53, -16.61
CIE _{LCh}	61, 23.431, 225.144
Yxy	29.3232, 0.2423, 0.2971
Android (android.graphics.Color)	4283997616 (0xFF589DB0)
YUV	138.5350, 18.4702, -44.3192
Hunter-Lab	54.1509, -15.9335, -11.8690

Details

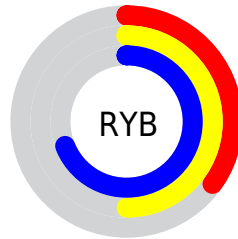
The Yxy color **29.3232, 0.2423, 0.2971** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.4369, 0.4355, 0.3572**, and the grayscale version is **25.5710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7528, 0.2558, 0.3040**, and **11.9850, 0.2205, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **27.3031, 0.2313, 0.2895**, and if you desaturate by 10%, it is **31.5927, 0.2547, 0.3044**.

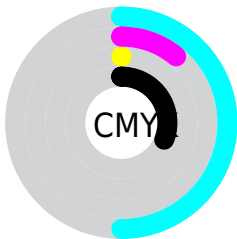
Distribution



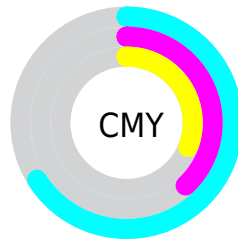
- Red (35%)
- Green (62%)
- Blue (69%)



- Red (35%)
- Yellow (50%)
- Blue (69%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)





- Cyan (66%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3232, 0.2423, 0.2971 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 29.3232, 0.2423, 0.2971 by changing the saturation by 10% instead.


 29.3232, 0.2423,
0.2971


 29.3232, 0.2423,
0.2971


298.7369, 0.2792,
0.3150


 19.3255, 0.2326,
0.2919


 58.5902, 0.2561,
0.3041

 11.9057, 0.2198,
0.2849


 78.6282, 0.2612,
0.3066

 6.6795, 0.2024,
0.2747


 102.7818, 0.2654,
0.3086

 3.2625, 0.1773,
0.2589

 131.4354, 0.2690,
0.3103

 1.2703, 0.1389,
0.2318

164.9732, 0.2721,
0.3117

 0.1180, 0.0000,
0.0816

203.7798, 0.2748,

 0.0000, 0.0000,

0.3130

0.0000

248.2396, 0.2772,
0.3140

■ 29.3232, 0.2423,
0.2971

■ 29.3232, 0.2423,
0.2971

■ 27.3031, 0.2313,
0.2895

■ 31.5927, 0.2547,
0.3044

■ 25.5134, 0.2220,
0.2818

■ 34.1222, 0.2683,
0.3112

■ 23.9377, 0.2146,
0.2739

■ 36.9256, 0.2827,
0.3177

■ 22.5553, 0.2091,
0.2661

■ 40.0149, 0.2976,
0.3236

■ 21.3227, 0.2051,
0.2583

■ 43.4012, 0.3127,
0.3290

■ 47.0950, 0.3279,
0.3339

■ 51.1062, 0.3428,
0.3382

■ 55.4442, 0.3574,
0.3421

■ 60.1181, 0.3714,
0.3455

Harmonies

Analogous

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



29.3232, 0.2551, 0.3316



29.3232, 0.2423, 0.2971



29.3232, 0.2468, 0.2743

Triad

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



29.3232, 0.2423, 0.2971



29.3232, 0.3405, 0.2940



29.3232, 0.3566, 0.3967

Complementary

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



29.3232, 0.2423, 0.2971



20.4369, 0.4355, 0.3572

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.



29.3232, 0.3822, 0.3810



29.3232, 0.2423, 0.2971



29.3232, 0.3732, 0.3222

Square

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



29.3232, 0.2423, 0.2971



29.3232, 0.3016, 0.2741



29.3232, 0.3887, 0.3535



29.3232, 0.3201, 0.3928

Rectangle

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



29.3232, 0.2423, 0.2971



29.3232, 0.2591, 0.2675



29.3232, 0.3887, 0.3535



29.3232, 0.3668, 0.3933

Sweetspot

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



29.3243, 0.2423, 0.2971



69.5820, 0.2897, 0.3205



34.1468, 0.2941, 0.4540



14.8330, 0.2866, 0.3193



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.



29.3243, 0.2423, 0.2971



49.1744, 0.2303, 0.2887



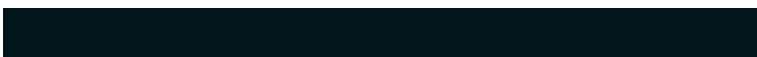
17.3286, 0.2276, 0.2202



9.3145, 0.2986, 0.3240



15.7376, 0.2053, 0.2592



0.5728, 0.2113, 0.2808

Inverse Universe

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



18.6388, 0.3427, 0.2325



28.5217, 0.3516, 0.2148



31.6098, 0.4022, 0.4168



8.6147, 0.3169, 0.3113



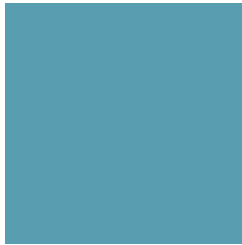
8.1289, 0.3832, 0.1885



0.2636, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 29.3232, 0.2423, 0.2971 looks on a white background.

Color Contrast Check

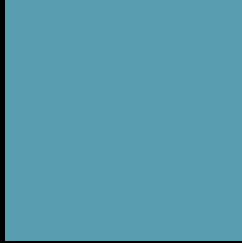
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3232, 0.2423, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

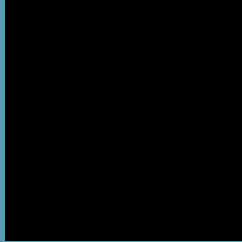
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3232, 0.2423, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 29.3232, 0.2423, 0.2971.



This preview shows how white text looks on a background with the Yxy color 29.3232, 0.2423, 0.2971.

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

29.3232, 0.2423, 0.2971

Protanopia

28.9176, 0.2894, 0.2934

Deuteranopia

29.2209, 0.2817, 0.2764



Tritanopia

29.3724, 0.2445, 0.3068

Trichromacy



Original Color

29.3232, 0.2423, 0.2971

Protanomaly

28.6461, 0.2692, 0.2935

Deuteranomaly

28.9943, 0.2647, 0.2832

Tritanomaly

29.4971, 0.2439, 0.3035

Monochromacy



Original Color

29.3232, 0.2423, 0.2971

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8178, 0.2816, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3232, 0.2423, 0.2971 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(88, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(88, 157, 176)  
}
```

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(88, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 157, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.3232, 0.2423, 0.2971 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(88, 157, 176) }
```

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

```
.border{ border-color:rgb(88, 157, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(88, 157,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3232, 0.2423, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 157, 176) }
```

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

```
.background{ background-color: rgb(88, 157,  
176) }
```

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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