

Converting Colors

$Y_{xy}(24.4131, 0.2469, 0.2933)$

Have a look what the booklet for
Yxy(24.4131, 0.2469, 0.2933)
contains.

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Color

$Y_{xy}(24.4131, 0.2469, 0.2933)$

Conversions

Conversions Part 1

Format	Color
Hex	598FA3
RGB	89, 143, 163
RGB Percent	35%, 56%, 64%
CMY	0.6510, 0.4392, 0.3608
CMYK	0.45, 0.12, 0.00, 0.36
HSL	196°, 29%, 49%
HSV	196°, 45%, 64%
XYZ	20.5510, 24.4131, 38.2719
YIQ	129.1340, -38.6040, -5.2280

Conversions

Conversions Part 2

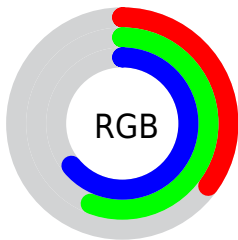
Format	Color
R _Y B	89, 120, 163
Decimal	5869475
CIE Lab	56.50, -12.39, -16.15
CIE LCh	56, 20.356, 232.492
Yxy	24.4131, 0.2469, 0.2933
Android (android.graphics.Color)	4284059555 (0xFF598FA3)
YUV	129.1340, 16.6959, -35.1975
Hunter-Lab	49.4096, -12.2233, -11.3383

Details

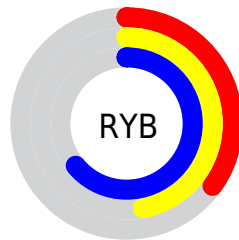
The Yxy color **24.4131, 0.2469, 0.2933** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4362, 0.4156, 0.3611**, and the grayscale version is **21.9522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8341, 0.2607, 0.3015**, and **9.3165, 0.2242, 0.2806** is the 20% darker color. If you saturate the color by 10%, you get **22.3996, 0.2346, 0.2839**, and if you desaturate by 10%, it is **26.6588, 0.2604, 0.3022**.

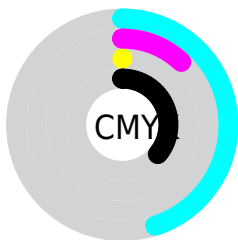
Distribution



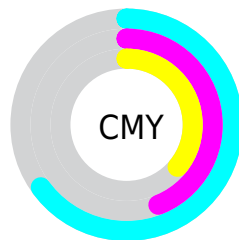
- Red (35%)
- Green (56%)
- Blue (64%)



- Red (35%)
- Yellow (47%)
- Blue (64%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (36%)



- Cyan (65%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4131, 0.2469, 0.2933 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 24.4131, 0.2469, 0.2933 by changing the saturation by 10% instead.

■ 24.4131, 0.2469,
0.2933

■ 24.4131, 0.2469,
0.2933

274.9024, 0.2825,
0.3136

■ 15.6403, 0.2371,
0.2873

■ 50.7035, 0.2605,
0.3013

■ 9.2700, 0.2239,
0.2790

■ 68.9899, 0.2654,
0.3041

■ 4.9177, 0.2055,
0.2667

■ 91.2163, 0.2695,
0.3064

■ 2.1991, 0.1779,
0.2471

■ 117.7671, 0.2729,
0.3083

■ 0.7195, 0.1136,
0.2143

149.0268, 0.2758,
0.3099

■ 0.0000, 0.0000,
0.0000

185.3796, 0.2784,

0.3113

227.2100, 0.2806,
0.3125

■ 24.4131, 0.2469,
0.2933

■ 24.4131, 0.2469,
0.2933

■ 22.3996, 0.2346,
0.2839

■ 26.6588, 0.2604,
0.3022

■ 20.6031, 0.2238,
0.2741

■ 29.1453, 0.2747,
0.3106

■ 19.0103, 0.2147,
0.2642

■ 31.8840, 0.2895,
0.3184

■ 17.6055, 0.2074,
0.2542

■ 34.8849, 0.3046,
0.3255

■ 16.3680, 0.2021,
0.2443

■ 38.1570, 0.3196,
0.3319

■ 15.8329, 0.1999,
0.2397

■ 41.7093, 0.3344,
0.3376

■ 45.5499, 0.3488,
0.3427

■ 49.6868, 0.3627,
0.3473

■ 54.1277, 0.3760,
0.3512

Harmonies

Analogous

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



24.4131, 0.2550, 0.3232



24.4131, 0.2469, 0.2933



24.4131, 0.2550, 0.2753

Triad

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



24.4131, 0.2469, 0.2933



24.4131, 0.3468, 0.3024



24.4131, 0.3457, 0.3923

Complementary

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



24.4131, 0.2469, 0.2933



19.4362, 0.4156, 0.3611

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.



24.4131, 0.3726, 0.3821



24.4131, 0.2469, 0.2933



24.4131, 0.3738, 0.3300

Square

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



24.4131, 0.2469, 0.2933



24.4131, 0.3113, 0.2816



24.4131, 0.3832, 0.3588



24.4131, 0.3110, 0.3836

Rectangle

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



24.4131, 0.2469, 0.2933



24.4131, 0.2689, 0.2713



24.4131, 0.3832, 0.3588



24.4131, 0.3560, 0.3909

Sweetspot

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



24.4140, 0.2469, 0.2933



57.7027, 0.2912, 0.3192



29.4105, 0.2919, 0.4301



12.7212, 0.2881, 0.3177



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



24.4140, 0.2469, 0.2933



40.2604, 0.2351, 0.2843



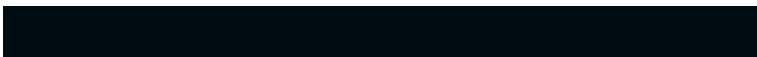
15.1277, 0.2348, 0.2233



7.6862, 0.2987, 0.3228



12.3853, 0.2002, 0.2407



0.3318, 0.2101, 0.2764

Inverse Universe

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



16.9112, 0.3447, 0.2467



25.8887, 0.3540, 0.2310



28.9773, 0.3892, 0.4156



7.1694, 0.3177, 0.3127



7.0944, 0.4016, 0.1986



0.1563, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 24.4131, 0.2469, 0.2933 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 24.4131, 0.2469, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

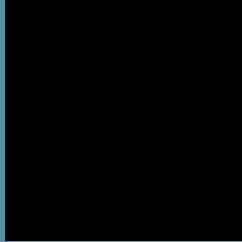
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4131, 0.2469, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 24.4131, 0.2469, 0.2933.



This preview shows how white text looks on a background with the Yxy color 24.4131, 0.2469, 0.2933.

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

24.4131, 0.2469, 0.2933

Protanopia

24.3098, 0.2867, 0.2908

Deuteranopia

24.2057, 0.2812, 0.2754



Tritanopia

24.3731, 0.2507, 0.3070

Trichromacy



Original Color

24.4131, 0.2469, 0.2933

Protanomaly

24.1075, 0.2706, 0.2912

Deuteranomaly

24.0706, 0.2672, 0.2816

Tritanomaly

24.5244, 0.2493, 0.3018

Monochromacy



Original Color

24.4131, 0.2469, 0.2933

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.5507, 0.2843, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4131, 0.2469, 0.2933 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(89, 143, 163)` looks like.

```
.text, #text, p{  
    color:rgb(89, 143, 163)  
}
```

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(89, 143, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 143, 163) }
```

Border

The CSS property to change the border of an element to Yxy 24.4131, 0.2469, 0.2933 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(89, 143, 163) }
```

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

```
.border{ border-color:rgb(89, 143, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 143, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 143, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 143, 163);  
box-shadow:4px 4px 4px 4px rgb(89, 143,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4131, 0.2469, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 143, 163) }
```

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

```
.background{ background-color: rgb(89, 143,  
163) }
```

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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