

Converting Colors

$Y_{xy}(24.1967, 0.2435, 0.2889)$

Have a look what the booklet for
Yxy(24.1967, 0.2435, 0.2889)
contains.

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Color

Yxy(24.0410, 0.2431, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	568EA5
RGB	86, 142, 165
RGB Percent	34%, 56%, 65%
CMY	0.6628, 0.4431, 0.3530
CMYK	0.48, 0.14, 0.00, 0.35
HSL	197°, 31%, 49%
HSV	197°, 48%, 65%
XYZ	20.3000, 24.0410, 39.1637
YIQ	127.8780, -40.7590, -4.7190

Conversions

Conversions Part 2

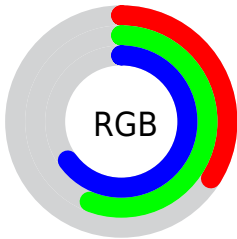
Format	Color
R _Y B	86, 119, 165
Decimal	5672613
CIE Lab	56.13, -12.03, -17.87
CIE LCh	56, 21.543, 236.068
Yxy	24.0410, 0.2431, 0.2879
Android (android.graphics.Color)	4283862693 (0xFF568EA5)
YUV	127.8780, 18.3011, -36.7270
Hunter-Lab	49.0316, -11.9031, -13.0354

Details

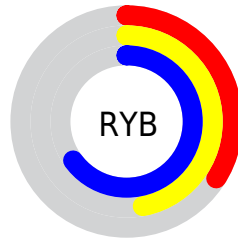
The Yxy color **24.0410, 0.2431, 0.2879** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5998, 0.4224, 0.3653**, and the grayscale version is **21.4867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2226, 0.2575, 0.2975**, and **9.1078, 0.2189, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **21.9495, 0.2309, 0.2776**, and if you desaturate by 10%, it is **26.3766, 0.2566, 0.2977**.

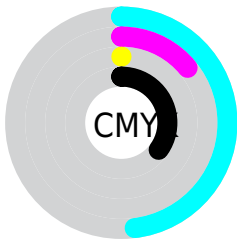
Distribution



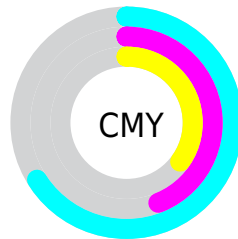
- Red (34%)
- Green (56%)
- Blue (65%)



- Red (34%)
- Yellow (47%)
- Blue (65%)



- Cyan (48%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)



- Cyan (66%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0410, 0.2431, 0.2879 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 24.0410, 0.2431, 0.2879 by changing the saturation by 10% instead.

■ 24.0410, 0.2431,
0.2879

■ 24.0410, 0.2431,
0.2879

■ 273.0277, 0.2808,
0.3112

■ 15.3640, 0.2327,
0.2811

■ 50.0971, 0.2575,
0.2971

■ 9.0753, 0.2189,
0.2716

■ 68.2450, 0.2627,
0.3003

■ 4.7903, 0.1994,
0.2577

■ 90.3187, 0.2670,
0.3029

■ 2.1248, 0.1706,
0.2357

■ 116.7026, 0.2706,
0.3051

■ 0.6785, 0.1026,
0.1982

■ 147.7810, 0.2737,
0.3070

■ 0.0000, 0.0000,
0.0000

183.9384, 0.2764,

0.3086

225.5592, 0.2787,
0.3100

■ 24.0410, 0.2431,
0.2879

■ 24.0410, 0.2431,
0.2879

■ 21.9495, 0.2309,
0.2776

■ 26.3766, 0.2566,
0.2977

■ 20.0860, 0.2201,
0.2669

■ 28.9657, 0.2709,
0.3070

■ 18.4364, 0.2112,
0.2561

■ 31.8204, 0.2857,
0.3155

■ 16.9833, 0.2042,
0.2453

■ 34.9512, 0.3008,
0.3233

■ 15.6977, 0.1989,
0.2345

■ 38.3680, 0.3159,
0.3304

■ 15.4378, 0.1979,
0.2323

■ 42.0798, 0.3307,
0.3368

■ 46.0957, 0.3451,
0.3425

■ 50.4239, 0.3590,
0.3475

■ 55.0724, 0.3723,
0.3519

Harmonies

Analogous

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



24.0410, 0.2496, 0.3184



24.0410, 0.2431, 0.2879



24.0410, 0.2537, 0.2707

Triad

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



24.0410, 0.2431, 0.2879



24.0410, 0.3531, 0.3040



24.0410, 0.3435, 0.3965

Complementary

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



24.0410, 0.2431, 0.2879



19.5998, 0.4224, 0.3653

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.



24.0410, 0.3736, 0.3875



24.0410, 0.2431, 0.2879



24.0410, 0.3800, 0.3336

Square

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



24.0410, 0.2431, 0.2879



24.0410, 0.3157, 0.2809



24.0410, 0.3875, 0.3638



24.0410, 0.3063, 0.3849

Rectangle

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



24.0410, 0.2431, 0.2879



24.0410, 0.2694, 0.2678



24.0410, 0.3875, 0.3638



24.0410, 0.3548, 0.3957

Sweetspot

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



24.0419, 0.2431, 0.2879



58.9727, 0.2912, 0.3184



29.9755, 0.2900, 0.4344



12.6464, 0.2881, 0.3168



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.



24.0419, 0.2431, 0.2879



39.2590, 0.2307, 0.2774



14.4140, 0.2296, 0.2137



7.6615, 0.2987, 0.3223



11.7690, 0.1982, 0.2333



0.3223, 0.2089, 0.2720

Inverse Universe

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



16.6040, 0.3495, 0.2446



25.2408, 0.3604, 0.2290



29.8100, 0.3929, 0.4219



7.1669, 0.3180, 0.3132



7.0322, 0.4092, 0.2028



0.1553, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 24.0410, 0.2431, 0.2879 looks on a white background.

Color Contrast Check

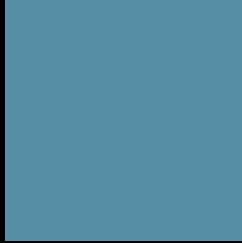
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0410, 0.2431, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

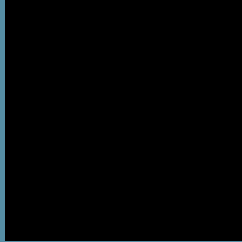
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0410, 0.2431, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 24.0410, 0.2431, 0.2879.



This preview shows how white text looks on a background with the Yxy color 24.0410, 0.2431, 0.2879.

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

24.0410, 0.2431, 0.2879

Protanopia

23.9454, 0.2827, 0.2857

Deuteranopia

23.7684, 0.2763, 0.2703



Tritanopia

24.1521, 0.2486, 0.3086

Trichromacy



Original Color

24.0410, 0.2431, 0.2879

Protanomaly

23.6922, 0.2661, 0.2859

Deuteranomaly

23.6585, 0.2627, 0.2764

Tritanomaly

24.0329, 0.2462, 0.2998

Monochromacy



Original Color

24.0410, 0.2431, 0.2879

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2089, 0.2832, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0410, 0.2431, 0.2879 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, 142, 165)` looks like.

```
.text, #text, p{  
  color:rgb(86, 142, 165)  
}
```

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, 142, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 142, 165) }
```

Border

The CSS property to change the border of an element to Yxy 24.0410, 0.2431, 0.2879 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, 142, 165) }
```

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

```
.border{ border-color:rgb(86, 142, 165) }
```

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

Here you see how a box with a 4 pixel rgb(86, 142, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 142, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 142, 165);  
box-shadow:4px 4px 4px 4px rgb(86, 142,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0410, 0.2431, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 142, 165) }
```

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

```
.background{ background-color: rgb(86, 142,  
165) }
```

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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