

Converting Colors

$Yxy(23.9124, 0.2449, 0.3083)$

Have a look what the booklet for
Yxy(23.9124, 0.2449, 0.3083)
contains.

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Color

Yxy(23.8909, 0.2446, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	4D909B
RGB	77, 144, 155
RGB Percent	30%, 56%, 61%
CMY	0.6982, 0.4353, 0.3921
CMYK	0.50, 0.07, 0.00, 0.39
HSL	188°, 34%, 45%
HSV	188°, 50%, 61%
XYZ	18.9485, 23.8909, 34.6279
YIQ	125.2210, -43.4630, -10.7830

Conversions

Conversions Part 2

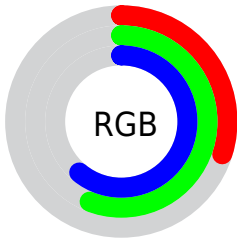
Format	Color
RYB	77, 113, 155
Decimal	5083291
CIELab	55.98, -18.16, -12.42
CIElCh	56, 22.001, 214.356
Yxy	23.8909, 0.2446, 0.3084
Android (android.graphics.Color)	4283273371 (0xFF4D909B)
YUV	125.2210, 14.6810, -42.2898
Hunter-Lab	48.8783, -16.3386, -7.7892

Details

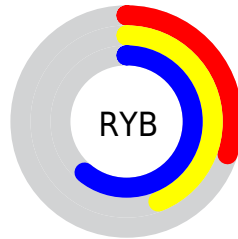
The Yxy color **23.8909, 0.2446, 0.3084** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.4790, 0.4403, 0.3475**, and the grayscale version is **20.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8169, 0.2588, 0.3140**, and **8.9297, 0.2202, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **22.6667, 0.2346, 0.3036**, and if you desaturate by 10%, it is **25.2834, 0.2561, 0.3130**.

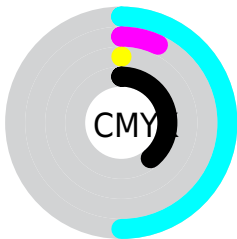
Distribution



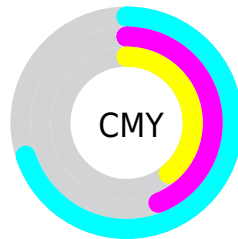
- Red (30%)
- Green (56%)
- Blue (61%)



- Red (30%)
- Yellow (44%)
- Blue (61%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (39%)





- Cyan (70%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8909, 0.2446, 0.3084 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 23.8909, 0.2446, 0.3084 by changing the saturation by 10% instead.


 23.8909, 0.2446,
0.3084


 23.8909, 0.2446,
0.3084


272.2684, 0.2816,
0.3206


 15.2527, 0.2343,
0.3045


 49.8521, 0.2588,
0.3134


 8.9969, 0.2205,
0.2990


 67.9439, 0.2639,
0.3151

 4.7392, 0.2010,
0.2905

 89.9557, 0.2681,
0.3165

 2.0951, 0.1716,
0.2759

 116.2719, 0.2717,
0.3176

 0.6618, 0.0720,
0.2565

 147.2769, 0.2747,
0.3185

 0.0000, 0.0000,
0.0000

183.3550, 0.2773,

0.3193

224.8908, 0.2796,
0.3200

■ 23.8909, 0.2446,
0.3084

■ 23.8909, 0.2446,
0.3084

■ 22.6667, 0.2346,
0.3036

■ 25.2834, 0.2561,
0.3130

■ 21.5968, 0.2264,
0.2988

■ 26.8516, 0.2689,
0.3174

■ 20.6695, 0.2200,
0.2939

■ 28.6054, 0.2827,
0.3215

■ 19.8700, 0.2155,
0.2890

■ 30.5536, 0.2972,
0.3254

■ 19.1847, 0.2123,
0.2843

■ 32.7041, 0.3122,
0.3289

■ 35.0644, 0.3274,
0.3321

■ 37.6416, 0.3425,
0.3349

■ 40.4426, 0.3574,
0.3375

■ 43.4737, 0.3719,
0.3397

Harmonies

Analogous

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



23.8909, 0.2634, 0.3453



23.8909, 0.2446, 0.3084



23.8909, 0.2429, 0.2806

Triad

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



23.8909, 0.2446, 0.3084



23.8909, 0.3267, 0.2854



23.8909, 0.3678, 0.3933

Complementary

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



23.8909, 0.2446, 0.3084



14.4790, 0.4403, 0.3475

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.



23.8909, 0.3874, 0.3722



23.8909, 0.2446, 0.3084



23.8909, 0.3632, 0.3113

Square

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



23.8909, 0.2446, 0.3084



23.8909, 0.2882, 0.2696



23.8909, 0.3860, 0.3423



23.8909, 0.3339, 0.3971

Rectangle

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



23.8909, 0.2446, 0.3084



23.8909, 0.2513, 0.2700



23.8909, 0.3860, 0.3423



23.8909, 0.3763, 0.3878

Sweetspot

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



23.8918, 0.2446, 0.3084



52.9409, 0.2900, 0.3235



25.7170, 0.2980, 0.4640



11.8294, 0.2871, 0.3228



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.8918, 0.2446, 0.3084



40.4197, 0.2339, 0.3032



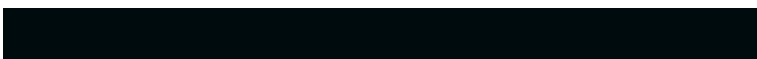
14.1649, 0.2299, 0.2312



6.8780, 0.2989, 0.3258



15.4483, 0.2124, 0.2847



0.2667, 0.2184, 0.3063

Inverse Universe

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



14.2860, 0.3338, 0.2249



21.7804, 0.3395, 0.2065



22.5276, 0.4061, 0.4090



6.3087, 0.3158, 0.3101



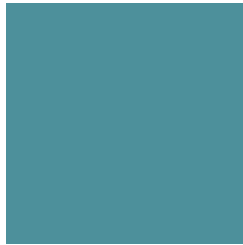
6.9648, 0.3591, 0.1752



0.1077, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 23.8909, 0.2446, 0.3084 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 23.8909, 0.2446, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

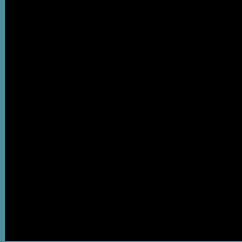
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8909, 0.2446, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 23.8909, 0.2446, 0.3084.



This preview shows how white text looks on a background with the Yxy color 23.8909, 0.2446, 0.3084.

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

23.8909, 0.2446, 0.3084

Protanopia

23.8187, 0.2963, 0.3036

Deuteranopia

23.5848, 0.2897, 0.2829



Tritanopia

23.9246, 0.2440, 0.3066

Trichromacy



Original Color

23.8909, 0.2446, 0.3084

Protanomaly

23.5704, 0.2737, 0.3042

Deuteranomaly

23.3397, 0.2701, 0.2907

Tritanomaly

23.9246, 0.2440, 0.3066

Monochromacy



Original Color

23.8909, 0.2446, 0.3084

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4682, 0.2827, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8909, 0.2446, 0.3084 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(77, 144, 155)` looks like.

```
.text, #text, p{  
    color:rgb(77, 144, 155)  
}
```

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(77, 144, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 144, 155) }
```

Border

The CSS property to change the border of an element to Yxy 23.8909, 0.2446, 0.3084 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(77, 144, 155) }
```

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

```
.border{ border-color:rgb(77, 144, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 144, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 144, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 144, 155);  
box-shadow:4px 4px 4px 4px rgb(77, 144,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8909, 0.2446, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 144, 155) }
```

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

```
.background{ background-color: rgb(77, 144,  
155) }
```

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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