

Converting Colors

$Yxy(23.3660, 0.2439, 0.3029)$

Have a look what the booklet for
Yxy(23.3660, 0.2439, 0.3029)
contains.

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Color

Yxy(23.3660, 0.2439, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	4E8E9C
RGB	78, 142, 156
RGB Percent	31%, 56%, 61%
CMY	0.6941, 0.4431, 0.3883
CMYK	0.50, 0.09, 0.00, 0.39
HSL	191°, 33%, 46%
HSV	191°, 50%, 61%
XYZ	18.8147, 23.3660, 34.9603
YIQ	124.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

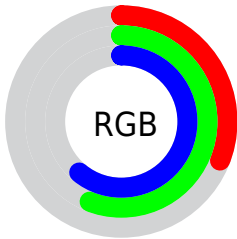
Format	Color
RYB	78, 113, 156
Decimal	5148316
CIELab	55.45, -16.56, -13.77
CIElCh	55, 21.537, 219.733
Yxy	23.3660, 0.2439, 0.3029
Android (android.graphics.Color)	4283338396 (0xFF4E8E9C)
YUV	124.4600, 15.5492, -40.7454
Hunter-Lab	48.3384, -15.1149, -9.0441

Details

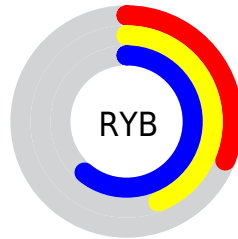
The Yxy color **23.3660, 0.2439, 0.3029** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2681, 0.4363, 0.3523**, and the grayscale version is **20.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0385, 0.2584, 0.3100**, and **8.7934, 0.2194, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **21.9627, 0.2334, 0.2968**, and if you desaturate by 10%, it is **24.9482, 0.2559, 0.3088**.

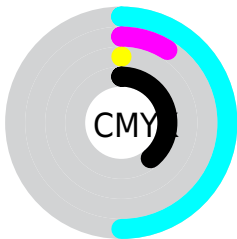
Distribution



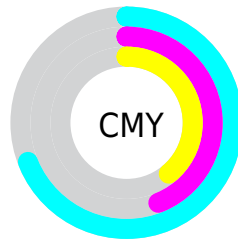
- Red (31%)
- Green (56%)
- Blue (61%)



- Red (31%)
- Yellow (44%)
- Blue (61%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3660, 0.2439, 0.3029 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 23.3660, 0.2439, 0.3029 by changing the saturation by 10% instead.

■ 23.3660, 0.2439,
0.3029

■ 23.3660, 0.2439,
0.3029

■ 269.5993, 0.2814,
0.3182

■ 14.8640, 0.2335,
0.2982

■ 48.9936, 0.2583,
0.3091

■ 8.7240, 0.2194,
0.2914

■ 66.8880, 0.2634,
0.3112

■ 4.5616, 0.1996,
0.2811

■ 88.6820, 0.2677,
0.3129

■ 1.9924, 0.1697,
0.2639

■ 114.7599, 0.2713,
0.3144

■ 0.6031, 0.0662,
0.2365

■ 145.5062, 0.2744,
0.3155

■ 0.0000, 0.0000,
0.0000

181.3053, 0.2770,

0.3166

222.5415, 0.2793,
0.3174

■ 23.3660, 0.2439,
0.3029

■ 23.3660, 0.2439,
0.3029

■ 21.9627, 0.2334,
0.2968

■ 24.9482, 0.2559,
0.3088

■ 20.7242, 0.2246,
0.2905

■ 26.7170, 0.2690,
0.3144

■ 19.6387, 0.2176,
0.2841

■ 28.6825, 0.2831,
0.3197

■ 18.6910, 0.2125,
0.2778

■ 30.8537, 0.2977,
0.3246

■ 17.8447, 0.2088,
0.2715

■ 33.2385, 0.3127,
0.3290

■ 17.8433, 0.2088,
0.2715

■ 35.8448, 0.3278,
0.3330

■ 38.6798, 0.3428,
0.3366

■ 41.7504, 0.3575,
0.3398

■ 45.0634, 0.3717,
0.3427

Harmonies

Analogous

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



23.3660, 0.2596, 0.3384



23.3660, 0.2439, 0.3029



23.3660, 0.2453, 0.2778

Triad

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



23.3660, 0.2439, 0.3029



23.3660, 0.3335, 0.2899



23.3660, 0.3619, 0.3946

Complementary

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



23.3660, 0.2439, 0.3029



15.2681, 0.4363, 0.3523

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.



23.3660, 0.3843, 0.3763



23.3660, 0.2439, 0.3029



23.3660, 0.3678, 0.3169

Square

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



23.3660, 0.2439, 0.3029



23.3660, 0.2950, 0.2722



23.3660, 0.3868, 0.3478



23.3660, 0.3269, 0.3945

Rectangle

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



23.3660, 0.2439, 0.3029



23.3660, 0.2556, 0.2692



23.3660, 0.3868, 0.3478



23.3660, 0.3712, 0.3901

Sweetspot

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



23.3669, 0.2439, 0.3029



53.9138, 0.2899, 0.3220



26.1450, 0.2962, 0.4578



11.6962, 0.2870, 0.3211



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.



23.3669, 0.2439, 0.3029



39.6168, 0.2323, 0.2960



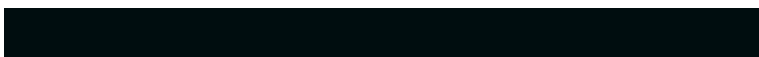
13.9209, 0.2295, 0.2267



7.3071, 0.2988, 0.3249



14.7476, 0.2089, 0.2719



0.3120, 0.2159, 0.2971

Inverse Universe

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



14.4696, 0.3381, 0.2295



22.1918, 0.3455, 0.2110



23.5784, 0.4033, 0.4123



6.7342, 0.3163, 0.3108



7.1110, 0.3710, 0.1817



0.1320, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 23.3660, 0.2439, 0.3029 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 23.3660, 0.2439, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

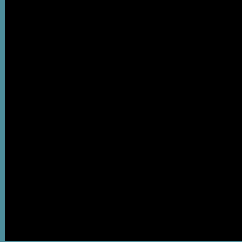
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3660, 0.2439, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 23.3660, 0.2439, 0.3029.



This preview shows how white text looks on a background with the Yxy color 23.3660, 0.2439, 0.3029.

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

23.3660, 0.2439, 0.3029

Protanopia

23.1484, 0.2931, 0.2983

Deuteranopia

23.1093, 0.2855, 0.2793



Tritanopia

23.2569, 0.2446, 0.3064

Trichromacy



Original Color

23.3660, 0.2439, 0.3029

Protanomaly

22.9745, 0.2716, 0.2988

Deuteranomaly

22.9636, 0.2672, 0.2871

Tritanomaly

23.2903, 0.2439, 0.3046

Monochromacy



Original Color

23.3660, 0.2439, 0.3029

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1360, 0.2815, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3660, 0.2439, 0.3029 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(78, 142, 156)` looks like.

```
.text, #text, p{  
    color:rgb(78, 142, 156)  
}
```

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(78, 142, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 142, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.3660, 0.2439, 0.3029 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(78, 142, 156) }
```

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

```
.border{ border-color:rgb(78, 142, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 142, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 142, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 142, 156);  
box-shadow:4px 4px 4px 4px rgb(78, 142,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3660, 0.2439, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 142, 156) }
```

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

```
.background{ background-color: rgb(78, 142,  
156) }
```

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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