

Converting Colors

$Yxy(23.3042, 0.2252, 0.2931)$

Have a look what the booklet for
Yxy(23.3042, 0.2252, 0.2931)
contains.

Yxy(23.2438, 0.2251, 0.2931)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2438, 0.2251, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	3190A3
RGB	49, 144, 163
RGB Percent	19%, 56%, 64%
CMY	0.8080, 0.4353, 0.3607
CMYK	0.70, 0.12, 0.00, 0.36
HSL	190°, 54%, 42%
HSV	190°, 70%, 64%
XYZ	17.8512, 23.2438, 38.2083
YIQ	117.7610, -62.7190, -14.2310

Conversions

Conversions Part 2

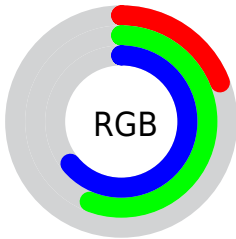
Format	Color
R _Y B	49, 101, 163
Decimal	3248291
CIE Lab	55.32, -21.09, -18.10
CIE LCh	55, 27.788, 220.639
Yxy	23.2438, 0.2251, 0.2931
Android (android.graphics.Color)	4281438371 (0xFF3190A3)
YUV	117.7610, 22.3028, -60.3034
Hunter-Lab	48.2118, -18.2783, -13.2396

Details

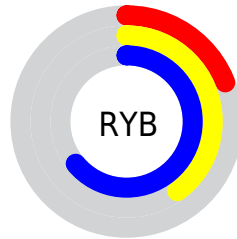
The Yxy color **23.2438, 0.2251, 0.2931** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1441, 0.5186, 0.3552**, and the grayscale version is **17.9798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7651, 0.2429, 0.3015**, and **8.9764, 0.2108, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **22.0964, 0.2183, 0.2872**, and if you desaturate by 10%, it is **24.5593, 0.2337, 0.2989**.

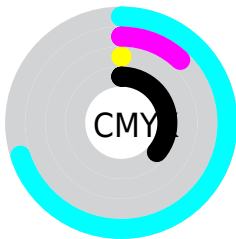
Distribution



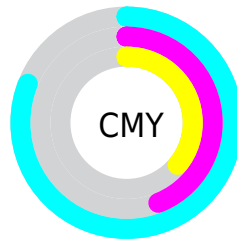
- Red (19%)
- Green (56%)
- Blue (64%)



- Red (19%)
- Yellow (40%)
- Blue (64%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (36%)





- Cyan (81%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2438, 0.2251, 0.2931 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 23.2438, 0.2251, 0.2931 by changing the saturation by 10% instead.

 23.2438, 0.2251,
0.2931


 23.2438, 0.2251,
0.2931


268.9747, 0.2723,
0.3143


 14.7736, 0.2122,
0.2865


 48.7933, 0.2431,
0.3017


 8.6607, 0.1951,
0.2773


 66.6415, 0.2496,
0.3046


 4.5205, 0.1715,
0.2633

 88.3844, 0.2550,
0.3070

 1.9688, 0.1372,
0.2402

 114.4066, 0.2595,
0.3090

 0.5892, 0.0157,
0.2045

 145.0923, 0.2634,
0.3106

 0.0000, 0.0000,
0.0000

180.8259, 0.2668,

0.3120

221.9920, 0.2697,
0.3132

■ 23.2438, 0.2251,
0.2931

■ 23.2438, 0.2251,
0.2931

■ 22.0964, 0.2183,
0.2872

■ 24.5593, 0.2337,
0.2989

■ 21.0978, 0.2134,
0.2813

■ 26.0547, 0.2441,
0.3047

■ 20.2102, 0.2099,
0.2755

■ 27.7435, 0.2559,
0.3102

■ 20.2071, 0.2099,
0.2755

■ 29.6372, 0.2690,
0.3154

■ 31.7462, 0.2830,
0.3203

■ 34.0803, 0.2977,
0.3249

■ 36.6485, 0.3128,
0.3290

■ 39.4593, 0.3279,
0.3328

■ 42.5209, 0.3430,
0.3362

Harmonies

Analogous

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



23.2438, 0.2437, 0.3390



23.2438, 0.2251, 0.2931



23.2438, 0.2276, 0.2623

Triad

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



23.2438, 0.2251, 0.2931



23.2438, 0.3406, 0.2803



23.2438, 0.3740, 0.4139

Complementary

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



23.2438, 0.2251, 0.2931



12.1441, 0.5186, 0.3552

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.



23.2438, 0.4043, 0.3893



23.2438, 0.2251, 0.2931



23.2438, 0.3852, 0.3140

Square

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



23.2438, 0.2251, 0.2931



23.2438, 0.2909, 0.2578



23.2438, 0.4091, 0.3527



23.2438, 0.3285, 0.4147

Rectangle

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



23.2438, 0.2251, 0.2931



23.2438, 0.2408, 0.2525



23.2438, 0.4091, 0.3527



23.2438, 0.3864, 0.4077

Sweetspot

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



23.2447, 0.2251, 0.2931



56.2717, 0.2810, 0.3196



27.2733, 0.2930, 0.5185



12.4111, 0.2773, 0.3184



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.



23.2447, 0.2251, 0.2931



38.5277, 0.2153, 0.2839



10.1118, 0.1966, 0.1761



7.8092, 0.2988, 0.3252



15.7557, 0.2100, 0.2760



0.3812, 0.2159, 0.2971

Inverse Universe

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



11.9969, 0.3492, 0.1973



18.4586, 0.3591, 0.1838



22.6799, 0.4444, 0.4383



7.1818, 0.3162, 0.3105



7.4347, 0.3672, 0.1796



0.1613, 0.3480, 0.1690

Previews

White Background



This preview shows how the Yxy color 23.2438, 0.2251, 0.2931 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 23.2438, 0.2251, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

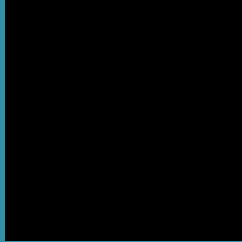
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2438, 0.2251, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 23.2438, 0.2251, 0.2931.



This preview shows how white text looks on a background with the Yxy color 23.2438, 0.2251, 0.2931.

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

23.2438, 0.2251, 0.2931

Protanopia

23.0777, 0.2852, 0.2899

Deuteranopia

22.8893, 0.2730, 0.2677



Tritanopia

23.2430, 0.2275, 0.3058

Trichromacy



Original Color

23.2438, 0.2251, 0.2931

Protanomaly

22.6953, 0.2570, 0.2911

Deuteranomaly

22.3635, 0.2496, 0.2742

Tritanomaly

23.3348, 0.2267, 0.3022

Monochromacy



Original Color

23.2438, 0.2251, 0.2931

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.2271, 0.2688, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2438, 0.2251, 0.2931 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(49, 144, 163)` looks like.

```
.text, #text, p{  
    color:rgb(49, 144, 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(49, 144, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 144, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.2438, 0.2251, 0.2931 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(49, 144, 163) }
```

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

```
.border{ border-color:rgb(49, 144, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 144, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 144, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 144, 163);  
box-shadow:4px 4px 4px 4px rgb(49, 144,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2438, 0.2251, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 144, 163) }
```

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

```
.background{ background-color: rgb(49, 144,  
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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