

Converting Colors

$Y_{xy}(23.8725, 0.2237, 0.2909)$

Have a look what the booklet for
Yxy(23.8725, 0.2237, 0.2909)
contains.

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Color

Yxy(23.9393, 0.2240, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	3092A6
RGB	48, 146, 166
RGB Percent	19%, 57%, 65%
CMY	0.8121, 0.4274, 0.3491
CMYK	0.71, 0.12, 0.00, 0.35
HSL	190°, 55%, 42%
HSV	190°, 71%, 65%
XYZ	18.3770, 23.9393, 39.7238
YIQ	118.9780, -64.8280, -14.5560

Conversions

Conversions Part 2

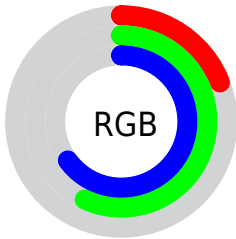
Format	Color
RYB	48, 102, 166
Decimal	3183270
CIELab	56.03, -21.34, -18.72
CIELCh	56, 28.389, 221.267
Yxy	23.9393, 0.2240, 0.2918
Android (android.graphics.Color)	4281373350 (0xFF3092A6)
YUV	118.9780, 23.1818, -62.2477
Hunter-Lab	48.9278, -18.5802, -13.8873




Details

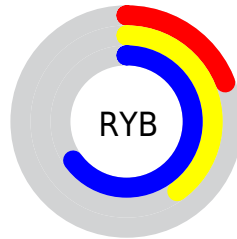
The Yxy color **23.9393, 0.2240, 0.2918** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4412, 0.5236, 0.3556**, and the grayscale version is **18.3748, 0.3127, 0.3290**.




A 20% lighter version of the original color is **49.8440, 0.2419, 0.3005**, and **9.3993, 0.2104, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **22.7545, 0.2174, 0.2858**, and if you desaturate by 10%, it is **25.2981, 0.2324, 0.2978**.

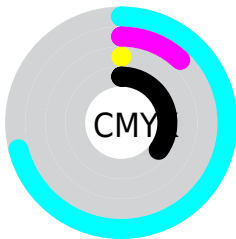
Distribution







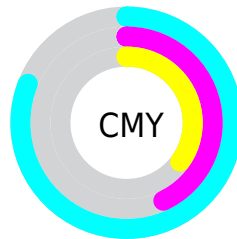
-  Red (19%)
-  Green (57%)
-  Blue (65%)






-  Red (19%)
-  Yellow (40%)
-  Blue (65%)



-  Cyan (71%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (35%)





-  Cyan (81%)
-  Magenta (43%)
-  Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9393, 0.2240, 0.2918 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 23.9393, 0.2240, 0.2918 by changing the saturation by 10% instead.


 23.9393, 0.2240,
0.2918


 23.9393, 0.2240,
0.2918

272.5135, 0.2716,
0.3136


 15.2886, 0.2112,
0.2851


 49.9311, 0.2420,
0.3006


 9.0222, 0.1941,
0.2757

 68.0410, 0.2486,
0.3036

 4.7557, 0.1707,
0.2616

 90.0728, 0.2540,
0.3061

 2.1046, 0.1371,
0.2387

 116.4109, 0.2586,
0.3081

 0.6672, 0.0347,
0.2046

 147.4395, 0.2626,
0.3098

 0.0000, 0.0000,
0.0000

183.5433, 0.2660,

0.3113

225.1065, 0.2690,
0.3125

■ 23.9393, 0.2240,
0.2918

■ 23.9393, 0.2240,
0.2918

■ 22.7545, 0.2174,
0.2858

■ 25.2981, 0.2324,
0.2978

■ 21.7230, 0.2127,
0.2798

■ 26.8434, 0.2426,
0.3036

■ 20.9012, 0.2096,
0.2746

■ 28.5897, 0.2544,
0.3092

■ 30.5490, 0.2673,
0.3146

■ 32.7323, 0.2813,
0.3196

■ 35.1499, 0.2960,
0.3243

■ 37.8115, 0.3110,
0.3285

■ 40.7258, 0.3262,
0.3324

■ 43.9016, 0.3413,
0.3359

Harmonies

Analogous

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



23.9393, 0.2424, 0.3380



23.9393, 0.2240, 0.2918



23.9393, 0.2270, 0.2611

Triad

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



23.9393, 0.2240, 0.2918



23.9393, 0.3419, 0.2804



23.9393, 0.3738, 0.4151

Complementary

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



23.9393, 0.2240, 0.2918



12.4412, 0.5236, 0.3556

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.



23.9393, 0.4049, 0.3906



23.9393, 0.2240, 0.2918



23.9393, 0.3868, 0.3145

Square

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



23.9393, 0.2240, 0.2918



23.9393, 0.2916, 0.2574



23.9393, 0.4104, 0.3537



23.9393, 0.3276, 0.4154

Rectangle

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



23.9393, 0.2240, 0.2918



23.9393, 0.2405, 0.2516



23.9393, 0.4104, 0.3537



23.9393, 0.3864, 0.4091

Sweetspot

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



23.9402, 0.2240, 0.2918



59.3048, 0.2809, 0.3195



28.3081, 0.2929, 0.5221



13.0281, 0.2772, 0.3182



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.9402, 0.2240, 0.2918



40.2496, 0.2146, 0.2825



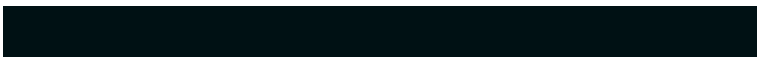
10.2408, 0.1947, 0.1730



8.3128, 0.2987, 0.3251



16.2689, 0.2098, 0.2751



0.4512, 0.2152, 0.2947

Inverse Universe

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



12.2891, 0.3505, 0.1961



19.3012, 0.3604, 0.1836



23.4032, 0.4469, 0.4395



7.6445, 0.3162, 0.3104



7.7134, 0.3680, 0.1801



0.1933, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 23.9393, 0.2240, 0.2918 looks on a white background.

Color Contrast Check

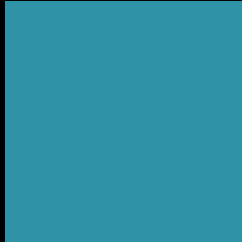
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9393, 0.2240, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

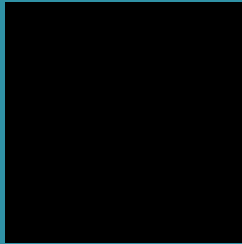
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9393, 0.2240, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 23.9393, 0.2240, 0.2918.

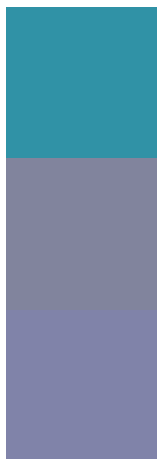


This preview shows how white text looks on a background with the Yxy color 23.9393, 0.2240, 0.2918.

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

23.9393, 0.2240, 0.2918

Protanopia

23.6040, 0.2845, 0.2871

Deuteranopia

23.6864, 0.2726, 0.2670



Tritanopia

23.8842, 0.2266, 0.3060

Trichromacy



Original Color

23.9393, 0.2240, 0.2918

Protanomaly

23.1387, 0.2558, 0.2881

Deuteranomaly

23.0881, 0.2487, 0.2732

Tritanomaly

24.0340, 0.2256, 0.3006

Monochromacy



Original Color

23.9393, 0.2240, 0.2918

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.8052, 0.2675, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9393, 0.2240, 0.2918 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(48, 146, 166)` looks like.

```
.text, #text, p{  
    color:rgb(48, 146, 166)  
}
```

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(48, 146, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 146, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.9393, 0.2240, 0.2918 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(48, 146, 166) }
```

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

```
.border{ border-color:rgb(48, 146, 166) }
```

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

Here you see how a box with a 4 pixel rgb(48, 146, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 146, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 146, 166);  
box-shadow:4px 4px 4px 4px rgb(48, 146,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9393, 0.2240, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 146, 166) }
```

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

```
.background{ background-color: rgb(48, 146,  
166) }
```

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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