

Converting Colors

$Y_{xy}(10.9171, 0.2365, 0.2944)$

Have a look what the booklet for
Yxy(10.9171, 0.2365, 0.2944)
contains.

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Color

Yxy(10.9350, 0.2369, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	306471
RGB	48, 100, 113
RGB Percent	19%, 39%, 44%
CMY	0.8117, 0.6078, 0.5568
CMYK	0.58, 0.12, 0.00, 0.56
HSL	192°, 40%, 32%
HSV	192°, 58%, 44%
XYZ	8.7576, 10.9350, 17.2749
YIQ	85.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

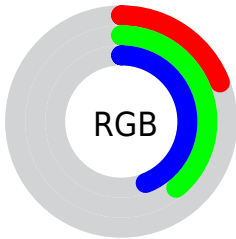
Format	Color
RYB	48, 77, 113
Decimal	3171441
CIELab	39.47, -13.27, -12.63
CIElCh	39, 18.319, 223.599
Yxy	10.9350, 0.2369, 0.2958
Android (android.graphics.Color)	4281361521 (0xFF306471)
YUV	85.9340, 13.3435, -33.2681
Hunter-Lab	33.0681, -10.5960, -7.8257




Details

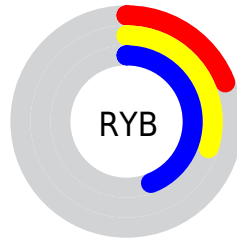
The Yxy color **10.9350, 0.2369, 0.2958** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.0653, 0.4561, 0.3574**, and the grayscale version is **9.2691, 0.3127, 0.3290**.




A 20% lighter version of the original color is **27.5592, 0.2558, 0.3050**, and **2.9279, 0.2100, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **10.2667, 0.2274, 0.2890**, and if you desaturate by 10%, it is **11.6862, 0.2479, 0.3024**.

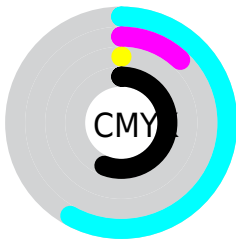
Distribution







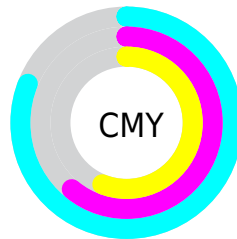
-  Red (19%)
-  Green (39%)
-  Blue (44%)






-  Red (19%)
-  Yellow (30%)
-  Blue (44%)



-  Cyan (58%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (81%)
-  Magenta (61%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9350, 0.2369, 0.2958 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 10.9350, 0.2369, 0.2958 by changing the saturation by 10% instead.

10.9350, 0.2369,
0.2958

10.9350, 0.2369,
0.2958

197.2211, 0.2827,
0.3171

6.0231, 0.2217,
0.2878

27.5399, 0.2560,
0.3052

2.8592, 0.1991,
0.2750

40.0018, 0.2624,
0.3082

1.0587, 0.1605,
0.2525

55.7490, 0.2675,
0.3105

0.0000, 0.0000,
0.0000

75.1662, 0.2716,
0.3123

98.6376, 0.2751,
0.3139

126.5476, 0.2780,

0.3151

159.2806, 0.2805,
0.3162

■ 10.9350, 0.2369,
0.2958

■ 10.9350, 0.2369,
0.2958

■ 10.2667, 0.2274,
0.2890

■ 11.6862, 0.2479,
0.3024

■ 9.6746, 0.2195,
0.2821

■ 12.5241, 0.2602,
0.3087

■ 9.1527, 0.2133,
0.2751

■ 13.4536, 0.2734,
0.3147

■ 8.6842, 0.2085,
0.2682

■ 14.4788, 0.2874,
0.3203

■ 8.5703, 0.2073,
0.2664

■ 15.6037, 0.3018,
0.3254

■ 16.8319, 0.3163,
0.3301

■ 18.1669, 0.3309,
0.3344

■ 19.6120, 0.3453,
0.3382

■ 21.1703, 0.3593,
0.3416

Harmonies

Analogous

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



10.9350, 0.2515, 0.3338



10.9350, 0.2369, 0.2958



10.9350, 0.2408, 0.2706

Triad

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



10.9350, 0.2369, 0.2958



10.9350, 0.3407, 0.2898



10.9350, 0.3619, 0.4021

Complementary

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



10.9350, 0.2369, 0.2958



7.0653, 0.4561, 0.3574

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.



10.9350, 0.3890, 0.3838



10.9350, 0.2369, 0.2958



10.9350, 0.3770, 0.3198

Square

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



10.9350, 0.2369, 0.2958



10.9350, 0.2984, 0.2690



10.9350, 0.3950, 0.3534



10.9350, 0.3226, 0.3995

Rectangle

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



10.9350, 0.2369, 0.2958



10.9350, 0.2535, 0.2628



10.9350, 0.3950, 0.3534



10.9350, 0.3728, 0.3979

Sweetspot

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



10.9354, 0.2369, 0.2958



25.9329, 0.2875, 0.3203



12.7785, 0.2929, 0.4696



5.9335, 0.2854, 0.3195



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.9354, 0.2369, 0.2958



18.0127, 0.2245, 0.2867



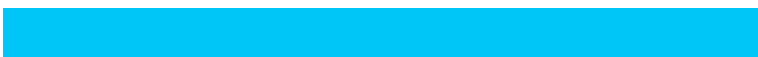
5.8969, 0.2184, 0.2064



3.7073, 0.2996, 0.3247



9.6920, 0.2072, 0.2660



47.0484, 0.2062, 0.2622

Inverse Universe

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



6.5466, 0.3447, 0.2219



9.7734, 0.3545, 0.2035



11.6439, 0.4126, 0.4250



3.4426, 0.3164, 0.3123



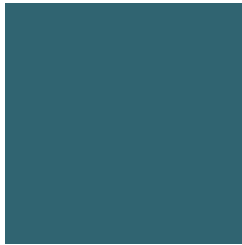
4.8242, 0.3766, 0.1848



23.9073, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 10.9350, 0.2369, 0.2958 looks on a white 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

Black Background



This preview shows how the Yxy color 10.9350, 0.2369, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

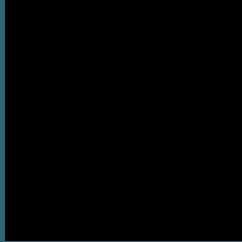
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9350, 0.2369, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 10.9350, 0.2369, 0.2958.

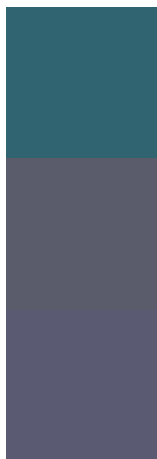


This preview shows how white text looks on a background with the Yxy color 10.9350, 0.2369, 0.2958.

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

10.9350, 0.2369, 0.2958

Protanopia

10.9107, 0.2875, 0.2918

Deuteranopia

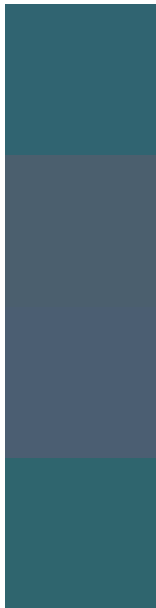
10.8936, 0.2785, 0.2745



Tritanopia

10.9923, 0.2394, 0.3081

Trichromacy



Original Color

10.9350, 0.2369, 0.2958

Protanomaly

10.8061, 0.2656, 0.2926

Deuteranomaly

10.7162, 0.2608, 0.2811

Tritanomaly

11.0375, 0.2393, 0.3057

Monochromacy



Original Color

10.9350, 0.2369, 0.2958

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.7044, 0.2775, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9350, 0.2369, 0.2958 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, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(48, 100, 113)  
}
```

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, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 100, 113) }
```

Border

The CSS property to change the border of an element to Yxy 10.9350, 0.2369, 0.2958 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, 100, 113) }
```

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

```
.border{ border-color:rgb(48, 100, 113) }
```

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

Here you see how a box with a 4 pixel rgb(48, 100, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(48, 100,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9350, 0.2369, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 100, 113) }
```

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

```
.background{ background-color: rgb(48, 100,  
113) }
```

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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