

Converting Colors

$Y_{xy}(10.0842, 0.2399, 0.2918)$

Have a look what the booklet for
Yxy(10.0842, 0.2399, 0.2918)
contains.

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Color

Yxy(10.0140, 0.2395, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	335F6E
RGB	51, 95, 110
RGB Percent	20%, 37%, 43%
CMY	0.8001, 0.6274, 0.5687
CMYK	0.54, 0.14, 0.00, 0.57
HSL	195°, 37%, 32%
HSV	195°, 54%, 43%
XYZ	8.2702, 10.0140, 16.2469
YIQ	83.5540, -31.0390, -4.6630

Conversions

Conversions Part 2

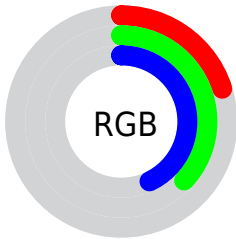
Format	Color
RYB	51, 76, 110
Decimal	3366766
CIELab	37.87, -10.63, -13.20
CIELCh	38, 16.949, 231.177
Yxy	10.0140, 0.2395, 0.2900
Android (android.graphics.Color)	4281556846 (0xFF335F6E)
YUV	83.5540, 13.0379, -28.5499
Hunter-Lab	31.6449, -8.7288, -8.2887

Details

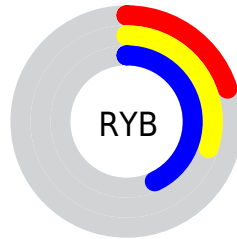
The Yxy color **10.0140, 0.2395, 0.2900** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.4439, 0.4375, 0.3630**, and the grayscale version is **8.7452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6842, 0.2579, 0.2994**, and **2.5444, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **9.2678, 0.2287, 0.2813**, and if you desaturate by 10%, it is **10.8467, 0.2516, 0.2983**.

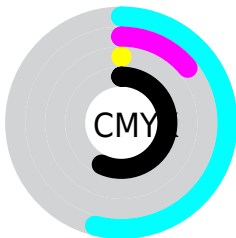
Distribution



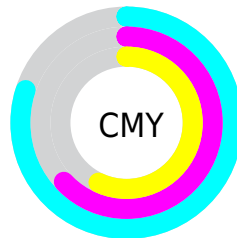
- Red (20%)
- Green (37%)
- Blue (43%)



- Red (20%)
- Yellow (30%)
- Blue (43%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (57%)



- Cyan (80%)
- Magenta (63%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0140, 0.2395, 0.2900 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 10.0140, 0.2395, 0.2900 by changing the saturation by 10% instead.

10.0140, 0.2395,
0.2900

10.0140, 0.2395,
0.2900

190.7720, 0.2843,
0.3150

5.4082, 0.2242,
0.2806

25.8218, 0.2584,
0.3010

2.4887, 0.2012,
0.2656

37.7927, 0.2646,
0.3045

0.8710, 0.1568,
0.2403

52.9874, 0.2696,
0.3072

0.0000, 0.0000,
0.0000

71.7903, 0.2736,
0.3094

94.5858, 0.2770,
0.3112

121.7583, 0.2798,

0.3127

153.6922, 0.2822,
0.3139

■ 10.0140, 0.2395,
0.2900

■ 10.0140, 0.2395,
0.2900

■ 9.2678, 0.2287,
0.2813

■ 10.8467, 0.2516,
0.2983

■ 8.6017, 0.2194,
0.2724

■ 11.7691, 0.2647,
0.3063

■ 8.0107, 0.2118,
0.2634

■ 12.7860, 0.2786,
0.3137

■ 7.4862, 0.2059,
0.2545

■ 13.9012, 0.2929,
0.3205

■ 7.1707, 0.2024,
0.2487

■ 15.1183, 0.3074,
0.3268

■ 16.4408, 0.3219,
0.3326

■ 17.8719, 0.3361,
0.3377

■ 19.4148, 0.3501,
0.3423

■ 21.0723, 0.3635,
0.3463

Harmonies

Analogous

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



10.0140, 0.2491, 0.3238



10.0140, 0.2395, 0.2900



10.0140, 0.2477, 0.2696

Triad

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



10.0140, 0.2395, 0.2900



10.0140, 0.3492, 0.2981



10.0140, 0.3510, 0.4001

Complementary

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



10.0140, 0.2395, 0.2900



7.4439, 0.4375, 0.3630

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.



10.0140, 0.3806, 0.3872



10.0140, 0.2395, 0.2900



10.0140, 0.3803, 0.3284

Square

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



10.0140, 0.2395, 0.2900



10.0140, 0.3092, 0.2756



10.0140, 0.3918, 0.3604



10.0140, 0.3122, 0.3916

Rectangle

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



10.0140, 0.2395, 0.2900



10.0140, 0.2626, 0.2648



10.0140, 0.3918, 0.3604



10.0140, 0.3624, 0.3979

Sweetspot

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



10.0144, 0.2395, 0.2900



23.8580, 0.2889, 0.3187



12.2434, 0.2908, 0.4499



5.4836, 0.2868, 0.3177



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.0144, 0.2395, 0.2900



16.0281, 0.2267, 0.2795



5.6925, 0.2236, 0.2083



3.6788, 0.2996, 0.3235



8.5679, 0.2022, 0.2479



41.2491, 0.2008, 0.2429

Inverse Universe

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



6.5055, 0.3487, 0.2344



9.5716, 0.3598, 0.2171



11.7804, 0.4017, 0.4247



3.4397, 0.3171, 0.3134



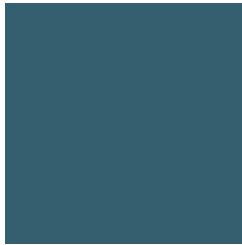
4.7108, 0.3943, 0.1946



23.3219, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 10.0140, 0.2395, 0.2900 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 10.0140, 0.2395, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

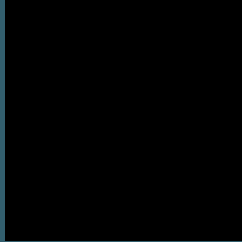
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0140, 0.2395, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 10.0140, 0.2395, 0.2900.



This preview shows how white text looks on a background with the Yxy color 10.0140, 0.2395, 0.2900.

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

10.0140, 0.2395, 0.2900

Protanopia

9.9307, 0.2838, 0.2880

Deuteranopia

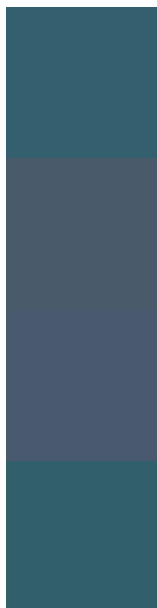
9.9647, 0.2760, 0.2704



Tritanopia

10.0182, 0.2440, 0.3075

Trichromacy



Original Color

10.0140, 0.2395, 0.2900

Protanomaly

9.9602, 0.2654, 0.2891

Deuteranomaly

9.8765, 0.2604, 0.2774

Tritanomaly

10.0845, 0.2429, 0.3025

Monochromacy



Original Color

10.0140, 0.2395, 0.2900

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.1475, 0.2808, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0140, 0.2395, 0.2900 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(51, 95, 110)` looks like.

```
.text, #text, p{  
    color:rgb(51, 95, 110)  
}
```

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(51, 95, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 95, 110) }
```

Border

The CSS property to change the border of an element to Yxy 10.0140, 0.2395, 0.2900 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(51, 95, 110) }
```

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

```
.border{ border-color:rgb(51, 95, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 95, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 95, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 95, 110);  
box-shadow:4px 4px 4px 4px rgb(51, 95,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0140, 0.2395, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 95, 110) }
```

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

```
.background{ background-color: rgb(51, 95,  
110) }
```

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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