

Converting Colors

$Y_{xy}(12.3285, 0.2391, 0.2984)$

Have a look what the booklet for
Yxy(12.3285, 0.2391, 0.2984)
contains.

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Color

Yxy(12.3730, 0.2397, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	356A76
RGB	53, 106, 118
RGB Percent	21%, 42%, 46%
CMY	0.7921, 0.5843, 0.5373
CMYK	0.55, 0.10, 0.00, 0.54
HSL	191°, 38%, 34%
HSV	191°, 55%, 46%
XYZ	9.8926, 12.3730, 19.0052
YIQ	91.5210, -35.4400, -7.5040

Conversions

Conversions Part 2

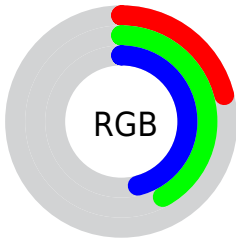
Format	Color
R _{YB}	53, 82, 118
Decimal	3500662
CIE Lab	41.80, -13.96, -12.11
CIE LCh	42, 18.479, 220.955
Yxy	12.3730, 0.2397, 0.2998
Android (android.graphics.Color)	4281690742 (0xFF356A76)
YUV	91.5210, 13.0541, -33.7829
Hunter-Lab	35.1753, -11.3558, -7.4117

Details

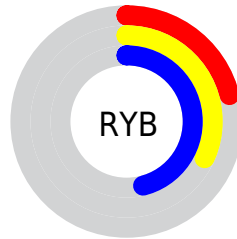
The Yxy color **12.3730, 0.2397, 0.2998** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.8906, 0.4494, 0.3545**, and the grayscale version is **10.5635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0195, 0.2574, 0.3074**, and **3.5701, 0.2122, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **11.6487, 0.2300, 0.2936**, and if you desaturate by 10%, it is **13.1884, 0.2509, 0.3058**.

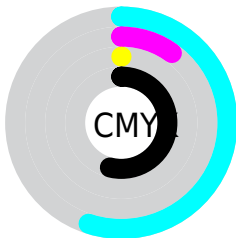
Distribution



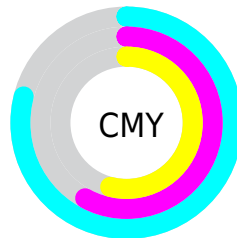
- Red (21%)
- Green (42%)
- Blue (46%)



- Red (21%)
- Yellow (32%)
- Blue (46%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (54%)



- Cyan (79%)
- Magenta (58%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3730, 0.2397, 0.2998 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 12.3730, 0.2397, 0.2998 by changing the saturation by 10% instead.

12.3730, 0.2397,
0.2998

12.3730, 0.2397,
0.2998

206.8592, 0.2832,
0.3184

6.9982, 0.2256,
0.2930

30.1727, 0.2576,
0.3079

3.4610, 0.2051,
0.2823

43.3663, 0.2636,
0.3105

1.3769, 0.1727,
0.2634

59.9351, 0.2685,
0.3125

0.1996, 0.0000,
0.1575

80.2634, 0.2725,
0.3141

0.0000, 0.0000,
0.0000

104.7355, 0.2758,
0.3155

133.7360, 0.2786,

0.3166

167.6491, 0.2811,
0.3176

■ 12.3730, 0.2397,
0.2998

■ 12.3730, 0.2397,
0.2998

■ 11.6487, 0.2300,
0.2936

■ 13.1884, 0.2509,
0.3058

■ 11.0081, 0.2219,
0.2872

■ 14.0989, 0.2633,
0.3116

■ 10.4450, 0.2156,
0.2808

■ 15.1099, 0.2767,
0.3171

■ 9.9480, 0.2109,
0.2744

■ 16.2260, 0.2908,
0.3221

■ 9.7126, 0.2087,
0.2713

■ 17.4513, 0.3053,
0.3268

■ 18.7898, 0.3200,
0.3310

■ 20.2454, 0.3346,
0.3349

■ 21.8217, 0.3490,
0.3383

■ 23.5220, 0.3631,
0.3414

Harmonies

Analogous

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



12.3730, 0.2555, 0.3372



12.3730, 0.2397, 0.2998



12.3730, 0.2419, 0.2739

Triad

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



12.3730, 0.2397, 0.2998



12.3730, 0.3363, 0.2887



12.3730, 0.3634, 0.3989

Complementary

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



12.3730, 0.2397, 0.2998



7.8906, 0.4494, 0.3545

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.



12.3730, 0.3880, 0.3799



12.3730, 0.2397, 0.2998



12.3730, 0.3724, 0.3173

Square

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



12.3730, 0.2397, 0.2998



12.3730, 0.2955, 0.2696



12.3730, 0.3917, 0.3500



12.3730, 0.3260, 0.3983

Rectangle

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



12.3730, 0.2397, 0.2998



12.3730, 0.2532, 0.2654



12.3730, 0.3917, 0.3500



12.3730, 0.3735, 0.3944

Sweetspot

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



12.3735, 0.2397, 0.2998



28.0532, 0.2874, 0.3210



14.0943, 0.2943, 0.4662



6.3816, 0.2853, 0.3202



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.3735, 0.2397, 0.2998



20.1797, 0.2277, 0.2919



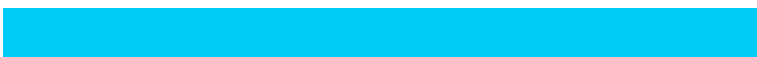
6.9088, 0.2226, 0.2148



4.0459, 0.2995, 0.3250



10.4917, 0.2086, 0.2710



49.9697, 0.2077, 0.2676

Inverse Universe

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



7.4397, 0.3411, 0.2237



10.9613, 0.3496, 0.2050



12.7357, 0.4097, 0.4198



3.7469, 0.3162, 0.3119



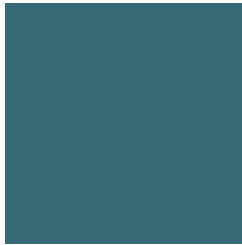
5.0831, 0.3718, 0.1822



24.6539, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 12.3730, 0.2397, 0.2998 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 12.3730, 0.2397, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

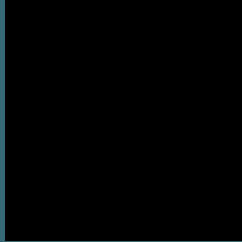
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

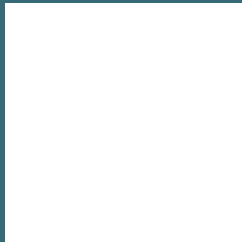
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.3730, 0.2397, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 12.3730, 0.2397, 0.2998.



This preview shows how white text looks on a background with the Yxy color 12.3730, 0.2397, 0.2998.

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

12.3730, 0.2397, 0.2998

Protanopia

12.2060, 0.2913, 0.2957

Deuteranopia

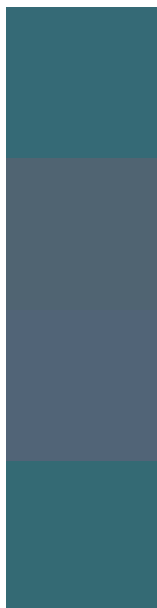
12.2632, 0.2826, 0.2772



Tritanopia

12.2759, 0.2415, 0.3067

Trichromacy



Original Color

12.3730, 0.2397, 0.2998

Protanomaly

12.0347, 0.2685, 0.2964

Deuteranomaly

12.1956, 0.2642, 0.2857

Tritanomaly

12.2991, 0.2406, 0.3044

Monochromacy



Original Color

12.3730, 0.2397, 0.2998

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1087, 0.2805, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3730, 0.2397, 0.2998 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(53, 106, 118)` looks like.

```
.text, #text, p{  
    color:rgb(53, 106, 118)  
}
```

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(53, 106, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 106, 118) }
```

Border

The CSS property to change the border of an element to Yxy 12.3730, 0.2397, 0.2998 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(53, 106, 118) }
```

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

```
.border{ border-color:rgb(53, 106, 118) }
```

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

Here you see how a box with a 4 pixel rgb(53, 106, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 106, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 106, 118);  
box-shadow:4px 4px 4px 4px rgb(53, 106,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3730, 0.2397, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 106, 118) }
```

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

```
.background{ background-color: rgb(53, 106,  
118) }
```

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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