

Converting Colors

$Y_{xy}(12.1448, 0.2470, 0.3113)$

Have a look what the booklet for
Yxy(12.1448, 0.2470, 0.3113)
contains.

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Color

$Y_{xy}(12.1138, 0.2471, 0.3116)$

Conversions

Conversions Part 1

Format	Color
Hex	386970
RGB	56, 105, 112
RGB Percent	22%, 41%, 44%
CMY	0.7804, 0.5882, 0.5608
CMYK	0.50, 0.06, 0.00, 0.56
HSL	187°, 33%, 33%
HSV	187°, 50%, 44%
XYZ	9.6063, 12.1138, 17.1560
YIQ	91.1470, -31.4510, -8.2110

Conversions

Conversions Part 2

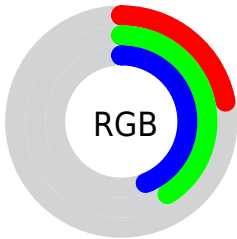
Format	Color
R_{YB}	56, 82, 112
Decimal	3697008
CIE _{Lab}	41.40, -14.49, -9.06
CIE _{LCh}	41, 17.095, 212.017
Yxy	12.1138, 0.2471, 0.3116
Android (android.graphics.Color)	4281887088 (0xFF386970)
YUV	91.1470, 10.2805, -30.8239
Hunter-Lab	34.8049, -11.6418, -4.8618

Details

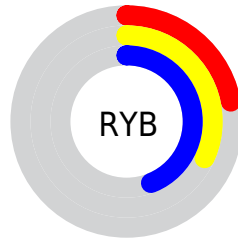
The Yxy color **12.1138, 0.2471, 0.3116** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.2820, 0.4343, 0.3449**, and the grayscale version is **10.4786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5831, 0.2629, 0.3155**, and **3.3963, 0.2175, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **11.5448, 0.2373, 0.3076**, and if you desaturate by 10%, it is **12.7606, 0.2583, 0.3155**.

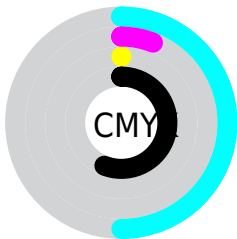
Distribution



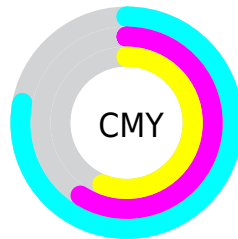
- Red (22%)
- Green (41%)
- Blue (44%)



- Red (22%)
- Yellow (32%)
- Blue (44%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)





- Cyan (78%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1138, 0.2471, 0.3116 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 12.1138, 0.2471, 0.3116 by changing the saturation by 10% instead.


 12.1138, 0.2471,
0.3116


 12.1138, 0.2471,
0.3116


 205.1572, 0.2864,
0.3230


 6.8212, 0.2342,
0.3072


 29.7022, 0.2634,
0.3167


 3.3505, 0.2150,
0.3001

 42.7668, 0.2689,
0.3182


 1.3174, 0.1841,
0.2869

 59.1909, 0.2733,
0.3195

 0.1546, 0.0000,
0.1616

 79.3589, 0.2769,
0.3204

 0.0000, 0.0000,
0.0000

 103.6551, 0.2798,
0.3212

 132.4639, 0.2824,

0.3219

166.1699, 0.2845,
0.3225

■ 12.1138, 0.2471,
0.3116

■ 12.1138, 0.2471,
0.3116

■ 11.5448, 0.2373,
0.3076

■ 12.7606, 0.2583,
0.3155

■ 11.0473, 0.2291,
0.3034

■ 13.4882, 0.2707,
0.3192

■ 10.6164, 0.2227,
0.2993

■ 14.3013, 0.2841,
0.3227

■ 10.2455, 0.2180,
0.2951

■ 15.2036, 0.2982,
0.3260

■ 9.9094, 0.2142,
0.2910

■ 16.1987, 0.3127,
0.3290

■ 9.9091, 0.2142,
0.2910

■ 17.2899, 0.3275,
0.3317

■ 18.4805, 0.3422,
0.3342

■ 19.7734, 0.3568,
0.3364

■ 21.1716, 0.3710,
0.3383

Harmonies

Analogous

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



12.1138, 0.2667, 0.3477



12.1138, 0.2471, 0.3116



12.1138, 0.2440, 0.2834

Triad

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



12.1138, 0.2471, 0.3116



12.1138, 0.3234, 0.2848



12.1138, 0.3685, 0.3906

Complementary

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



12.1138, 0.2471, 0.3116



7.2820, 0.4343, 0.3449

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.



12.1138, 0.3862, 0.3692



12.1138, 0.2471, 0.3116



12.1138, 0.3595, 0.3096

Square

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



12.1138, 0.2471, 0.3116



12.1138, 0.2862, 0.2703



12.1138, 0.3830, 0.3397



12.1138, 0.3363, 0.3958

Rectangle

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



12.1138, 0.2471, 0.3116



12.1138, 0.2515, 0.2723



12.1138, 0.3830, 0.3397



12.1138, 0.3764, 0.3849

Sweetspot

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



12.1143, 0.2471, 0.3116



25.8412, 0.2905, 0.3243



12.7791, 0.2994, 0.4605



6.1468, 0.2882, 0.3237



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.



12.1143, 0.2471, 0.3116



20.1414, 0.2359, 0.3069



7.3828, 0.2336, 0.2382



3.7477, 0.2996, 0.3263



11.4370, 0.2141, 0.2907



56.1122, 0.2135, 0.2884

Inverse Universe

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



7.2921, 0.3311, 0.2268



10.8264, 0.3363, 0.2070



11.1302, 0.4030, 0.4043



3.4467, 0.3154, 0.3108



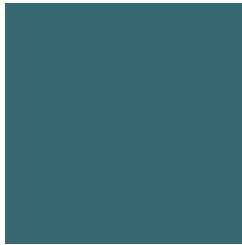
5.0004, 0.3537, 0.1722



24.8223, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 12.1138, 0.2471, 0.3116 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 12.1138, 0.2471, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

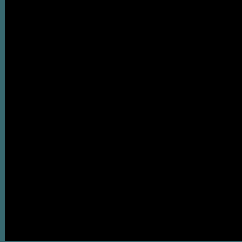
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1138, 0.2471, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 12.1138, 0.2471, 0.3116.



This preview shows how white text looks on a background with the Yxy color 12.1138, 0.2471, 0.3116.

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

12.1138, 0.2471, 0.3116

Protanopia

12.0977, 0.2977, 0.3065

Deuteranopia

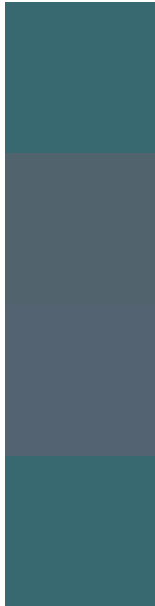
11.9960, 0.2914, 0.2873



Tritanopia

12.1362, 0.2462, 0.3092

Trichromacy



Original Color

12.1138, 0.2471, 0.3116

Protanomaly

11.9678, 0.2754, 0.3077

Deuteranomaly

11.9549, 0.2731, 0.2965

Tritanomaly

12.1362, 0.2462, 0.3092

Monochromacy



Original Color

12.1138, 0.2471, 0.3116

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8863, 0.2828, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1138, 0.2471, 0.3116 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(56, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(56, 105, 112)  
}
```

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(56, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 105, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.1138, 0.2471, 0.3116 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(56, 105, 112) }
```

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

```
.border{ border-color:rgb(56, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(56, 105,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1138, 0.2471, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 105, 112) }
```

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

```
.background{ background-color: rgb(56, 105,  
112) }
```

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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