

Converting Colors

$Y_{xy}(12.5139, 0.2470, 0.3104)$

Have a look what the booklet for
Yxy(12.5139, 0.2470, 0.3104)
contains.

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Color

$Y_{xy}(12.6002, 0.2470, 0.3118)$

Conversions

Conversions Part 1

Format	Color
Hex	396B72
RGB	57, 107, 114
RGB Percent	22%, 42%, 45%
CMY	0.7766, 0.5804, 0.5529
CMYK	0.50, 0.06, 0.00, 0.55
HSL	187°, 33%, 34%
HSV	187°, 50%, 45%
XYZ	9.9816, 12.6002, 17.8294
YIQ	92.8480, -32.0470, -8.4230

Conversions

Conversions Part 2

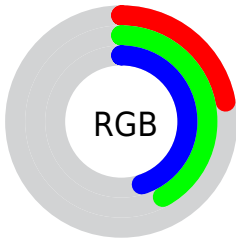
Format	Color
RYB	57, 84, 114
Decimal	3763058
CIELab	42.15, -14.77, -9.15
CIElCh	42, 17.374, 211.785
Yxy	12.6002, 0.2470, 0.3118
Android (android.graphics.Color)	4281953138 (0xFF396B72)
YUV	92.8480, 10.4279, -31.4387
Hunter-Lab	35.4968, -11.9258, -4.9326

Details

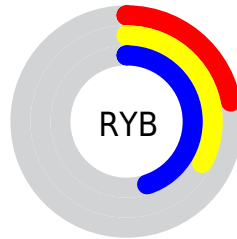
The Yxy color **12.6002, 0.2470, 0.3118** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5379, 0.4349, 0.3447**, and the grayscale version is **10.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3950, 0.2627, 0.3156**, and **3.5213, 0.2165, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **12.0128, 0.2372, 0.3078**, and if you desaturate by 10%, it is **13.2685, 0.2582, 0.3157**.

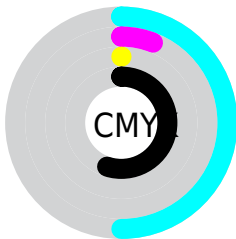
Distribution



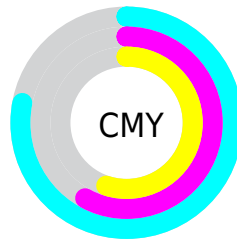
- Red (22%)
- Green (42%)
- Blue (45%)



- Red (22%)
- Yellow (33%)
- Blue (45%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (55%)





- Cyan (78%)
- Magenta (58%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6002, 0.2470, 0.3118 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 12.6002, 0.2470, 0.3118 by changing the saturation by 10% instead.


 12.6002, 0.2470,
0.3118


 12.6002, 0.2470,
0.3118


 208.3393, 0.2862,
0.3230


 7.1538, 0.2342,
0.3075


 30.5836, 0.2632,
0.3168


 3.5585, 0.2155,
0.3007


 43.8895, 0.2686,
0.3183

 1.4298, 0.1855,
0.2880

 60.5839, 0.2730,
0.3195

 0.2385, 0.0000,
0.2096

 81.0514, 0.2766,
0.3205

 0.0000, 0.0000,
0.0000

 105.6763, 0.2796,
0.3213

 134.8430, 0.2821,

0.3220

168.9358, 0.2843,
0.3225

■ 12.6002, 0.2470,
0.3118

■ 12.6002, 0.2470,
0.3118

■ 12.0128, 0.2372,
0.3078

■ 13.2685, 0.2582,
0.3157

■ 11.4998, 0.2291,
0.3037

■ 14.0210, 0.2706,
0.3193

■ 11.0560, 0.2227,
0.2996

■ 14.8625, 0.2840,
0.3228

■ 10.6745, 0.2180,
0.2956

■ 15.7968, 0.2981,
0.3260

■ 10.3307, 0.2143,
0.2915

■ 16.8278, 0.3127,
0.3290

■ 17.9589, 0.3274,
0.3317

■ 19.1935, 0.3422,
0.3341

■ 20.5348, 0.3568,
0.3363

■ 21.9857, 0.3711,
0.3382

Harmonies

Analogous

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



12.6002, 0.2667, 0.3481



12.6002, 0.2470, 0.3118



12.6002, 0.2438, 0.2835

Triad

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



12.6002, 0.2470, 0.3118



12.6002, 0.3231, 0.2845



12.6002, 0.3689, 0.3907

Complementary

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



12.6002, 0.2470, 0.3118



7.5379, 0.4349, 0.3447

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.



12.6002, 0.3864, 0.3691



12.6002, 0.2470, 0.3118



12.6002, 0.3594, 0.3093

Square

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



12.6002, 0.2470, 0.3118



12.6002, 0.2858, 0.2701



12.6002, 0.3831, 0.3395



12.6002, 0.3367, 0.3960

Rectangle

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



12.6002, 0.2470, 0.3118



12.6002, 0.2512, 0.2722



12.6002, 0.3831, 0.3395



12.6002, 0.3768, 0.3849

Sweetspot

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



12.6007, 0.2470, 0.3118



26.8531, 0.2905, 0.3243



13.2726, 0.2993, 0.4609



6.1499, 0.2882, 0.3238



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.



12.6007, 0.2470, 0.3118



20.9602, 0.2359, 0.3072



7.6527, 0.2334, 0.2379



3.7487, 0.2996, 0.3263



11.4811, 0.2142, 0.2913



56.3423, 0.2136, 0.2890

Inverse Universe

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



7.5633, 0.3310, 0.2264



11.2370, 0.3361, 0.2066



11.5532, 0.4033, 0.4045



3.4468, 0.3153, 0.3108



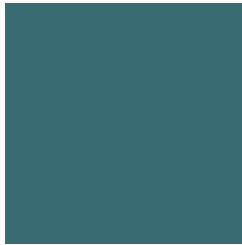
5.0048, 0.3532, 0.1719



24.8455, 0.3552, 0.1731

Previews

White Background



This preview shows how the Yxy color 12.6002, 0.2470, 0.3118 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 12.6002, 0.2470, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

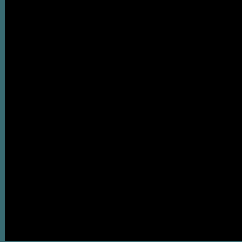
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.6002, 0.2470, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 12.6002, 0.2470, 0.3118.



This preview shows how white text looks on a background with the Yxy color 12.6002, 0.2470, 0.3118.

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

12.6002, 0.2470, 0.3118

Protanopia

12.4362, 0.2980, 0.3046

Deuteranopia

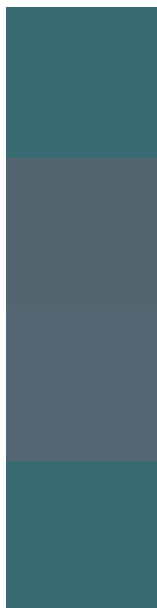
12.5197, 0.2917, 0.2880



Tritanopia

12.6231, 0.2461, 0.3095

Trichromacy



Original Color

12.6002, 0.2470, 0.3118

Protanomaly

12.2941, 0.2758, 0.3057

Deuteranomaly

12.4300, 0.2725, 0.2970

Tritanomaly

12.6231, 0.2461, 0.3095

Monochromacy



Original Color

12.6002, 0.2470, 0.3118

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3804, 0.2833, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6002, 0.2470, 0.3118 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(57, 107, 114)` looks like.

```
.text, #text, p{  
    color:rgb(57, 107, 114)  
}
```

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(57, 107, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 107, 114) }
```

Border

The CSS property to change the border of an element to Yxy 12.6002, 0.2470, 0.3118 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(57, 107, 114) }
```

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

```
.border{ border-color:rgb(57, 107, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 107, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 107, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 107, 114);  
box-shadow:4px 4px 4px 4px rgb(57, 107,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6002, 0.2470, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 107, 114) }
```

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

```
.background{ background-color: rgb(57, 107,  
114) }
```

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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