

Converting Colors

$Y_{xy}(12.8411, 0.2487, 0.3203)$

Have a look what the booklet for
Yxy(12.8411, 0.2487, 0.3203)
contains.

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Color

Yxy(12.9479, 0.2489, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	386D70
RGB	56, 109, 112
RGB Percent	22%, 43%, 44%
CMY	0.7804, 0.5725, 0.5608
CMYK	0.50, 0.03, 0.00, 0.56
HSL	183°, 33%, 33%
HSV	183°, 50%, 44%
XYZ	10.0241, 12.9479, 17.3015
YIQ	93.4950, -32.5510, -10.3030

Conversions

Conversions Part 2

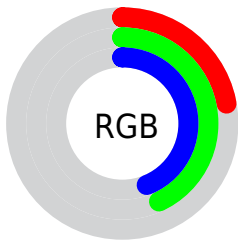
Format	Color
RYB	56, 83, 112
Decimal	3698032
CIELab	42.68, -16.72, -7.15
CIELCh	43, 18.183, 203.145
Yxy	12.9479, 0.2489, 0.3215
Android (android.graphics.Color)	4281888112 (0xFF386D70)
YUV	93.4950, 9.1230, -32.8831
Hunter-Lab	35.9832, -13.2448, -3.3196

Details

The Yxy color **12.9479, 0.2489, 0.3215** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8583, 0.4390, 0.3360**, and the grayscale version is **11.0522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3582, 0.2647, 0.3239**, and **3.7077, 0.2211, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **12.5333, 0.2399, 0.3198**, and if you desaturate by 10%, it is **13.4366, 0.2594, 0.3232**.

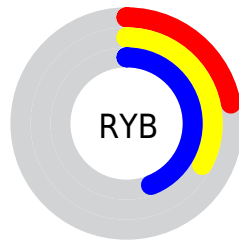
Distribution



Red (22%)

Green (43%)

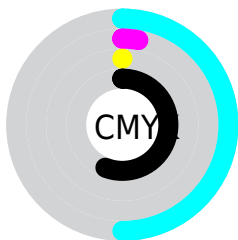
Blue (44%)



Red (22%)

Yellow (33%)

Blue (44%)

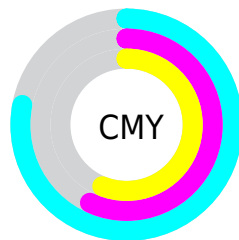


Cyan (50%)

Magenta (3%)

Yellow (0%)

Black (56%)



Cyan (78%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9479, 0.2489, 0.3215 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 12.9479, 0.2489, 0.3215 by changing the saturation by 10% instead.

12.9479, 0.2489,
0.3215

12.9479, 0.2489,
0.3215

210.5835, 0.2869,
0.3267

7.3927, 0.2365,
0.3193

31.2102, 0.2646,
0.3240

3.7089, 0.2184,
0.3155

44.6860, 0.2699,
0.3247

1.5121, 0.1893,
0.3080

61.5708, 0.2741,
0.3252

0.2972, 0.0000,
0.2653

82.2490, 0.2776,
0.3257

0.0000, 0.0000,
0.0000

107.1050, 0.2805,
0.3260

136.5231, 0.2829,

0.3263

170.8878, 0.2851,
0.3265

■ 12.9479, 0.2489,
0.3215

■ 12.9479, 0.2489,
0.3215

■ 12.5333, 0.2399,
0.3198

■ 13.4366, 0.2594,
0.3232

■ 12.1865, 0.2326,
0.3181

■ 14.0023, 0.2713,
0.3248

■ 11.9024, 0.2271,
0.3164

■ 14.6496, 0.2843,
0.3263

■ 11.6747, 0.2232,
0.3146

■ 15.3823, 0.2982,
0.3277

■ 11.4782, 0.2203,
0.3129

■ 16.2040, 0.3127,
0.3290

■ 17.1180, 0.3276,
0.3302

■ 18.1274, 0.3426,
0.3313

■ 19.2353, 0.3576,
0.3323

■ 20.4446, 0.3724,
0.3331

Harmonies

Analogous

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



12.9479, 0.2737, 0.3595



12.9479, 0.2489, 0.3215



12.9479, 0.2405, 0.2888

Triad

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



12.9479, 0.2489, 0.3215



12.9479, 0.3119, 0.2774



12.9479, 0.3781, 0.3878

Complementary

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



12.9479, 0.2489, 0.3215



6.8583, 0.4390, 0.3360

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.



12.9479, 0.3905, 0.3620



12.9479, 0.2489, 0.3215



12.9479, 0.3511, 0.3004

Square

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



12.9479, 0.2489, 0.3215



12.9479, 0.2751, 0.2662



12.9479, 0.3806, 0.3305



12.9479, 0.3481, 0.3991

Rectangle

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



12.9479, 0.2489, 0.3215



12.9479, 0.2448, 0.2743



12.9479, 0.3806, 0.3305



12.9479, 0.3846, 0.3803

Sweetspot

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



12.9484, 0.2489, 0.3215



26.3080, 0.2906, 0.3269



12.7438, 0.3030, 0.4704



6.2706, 0.2884, 0.3267



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.



12.9484, 0.2489, 0.3215



21.9128, 0.2387, 0.3195



7.9251, 0.2355, 0.2484



3.7861, 0.2996, 0.3278



13.2576, 0.2202, 0.3128



65.6334, 0.2200, 0.3119

Inverse Universe

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



7.3771, 0.3236, 0.2199



11.0052, 0.3263, 0.1990



10.5147, 0.4070, 0.3967



3.4505, 0.3144, 0.3093



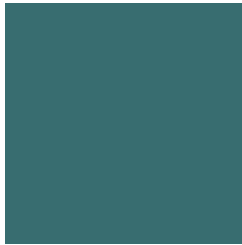
5.1842, 0.3343, 0.1615



25.7835, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 12.9479, 0.2489, 0.3215 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 12.9479, 0.2489, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

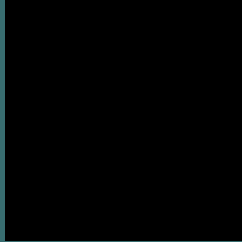
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9479, 0.2489, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 12.9479, 0.2489, 0.3215.



This preview shows how white text looks on a background with the Yxy color 12.9479, 0.2489, 0.3215.

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

12.9479, 0.2489, 0.3215

Protanopia

12.8643, 0.3047, 0.3157

Deuteranopia

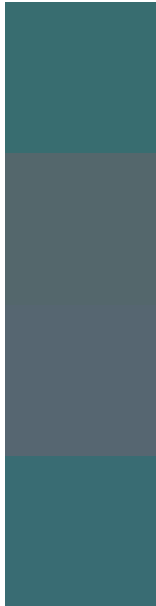
12.8338, 0.2985, 0.2947



Tritanopia

12.9090, 0.2456, 0.3073

Trichromacy



Original Color

12.9479, 0.2489, 0.3215

Protanomaly

12.6680, 0.2809, 0.3173

Deuteranomaly

12.6734, 0.2774, 0.3039

Tritanomaly

12.8328, 0.2466, 0.3119

Monochromacy



Original Color

12.9479, 0.2489, 0.3215

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.5493, 0.2847, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9479, 0.2489, 0.3215 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, 109, 112)` looks like.

```
.text, #text, p{  
    color:rgb(56, 109, 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, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 109, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.9479, 0.2489, 0.3215 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, 109, 112) }
```

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

```
.border{ border-color:rgb(56, 109, 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, 109, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 109, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 109, 112);  
box-shadow:4px 4px 4px 4px rgb(56, 109,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9479, 0.2489, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 109, 112) }
```

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

```
.background{ background-color: rgb(56, 109,  
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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