

Converting Colors

$Y_{xy}(12.9594, 0.2432, 0.2933)$

Have a look what the booklet for
Yxy(12.9594, 0.2432, 0.2933)
contains.

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Color

Yxy(12.9126, 0.2434, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	3D6B7A
RGB	61, 107, 122
RGB Percent	24%, 42%, 48%
CMY	0.7605, 0.5804, 0.5216
CMYK	0.50, 0.12, 0.00, 0.52
HSL	195°, 33%, 36%
HSV	195°, 50%, 48%
XYZ	10.6975, 12.9126, 20.3402
YIQ	94.9560, -32.2310, -5.0870

Conversions

Conversions Part 2

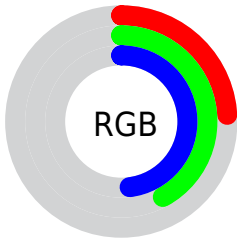
Format	Color
R _Y B	61, 87, 122
Decimal	4025210
CIE Lab	42.63, -11.31, -13.24
CIE LCh	43, 17.417, 229.492
Yxy	12.9126, 0.2434, 0.2938
Android (android.graphics.Color)	4282215290 (0xFF3D6B7A)
YUV	94.9560, 13.3327, -29.7794
Hunter-Lab	35.9341, -9.7456, -8.4067

Details

The Yxy color **12.9126, 0.2434, 0.2938** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.6529, 0.4277, 0.3603**, and the grayscale version is **11.4093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0204, 0.2607, 0.3032**, and **3.7257, 0.2115, 0.2772** is the 20% darker color. If you saturate the color by 10%, you get **11.9531, 0.2321, 0.2854**, and if you desaturate by 10%, it is **13.9830, 0.2559, 0.3018**.

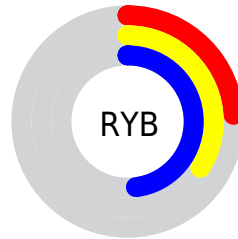
Distribution



Red (24%)

Green (42%)

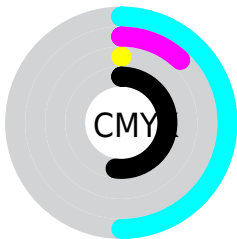
Blue (48%)



Red (24%)

Yellow (34%)

Blue (48%)

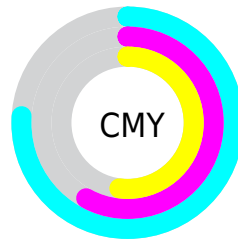


Cyan (50%)

Magenta (12%)

Yellow (0%)

Black (52%)



Cyan (76%)

Magenta (58%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9126, 0.2434, 0.2938 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 12.9126, 0.2434, 0.2938 by changing the saturation by 10% instead.

12.9126, 0.2434,
0.2938

12.9126, 0.2434,
0.2938

210.3568, 0.2845,
0.3157

7.3684, 0.2302,
0.2861

31.1467, 0.2602,
0.3032

3.6935, 0.2111,
0.2743

44.6053, 0.2660,
0.3062

1.5037, 0.1811,
0.2542

61.4709, 0.2705,
0.3086

0.2913, 0.0004,
0.1864

82.1279, 0.2743,
0.3106

0.0000, 0.0000,
0.0000

106.9605, 0.2775,
0.3122

136.3533, 0.2802,

0.3136

170.6906, 0.2825,
0.3147

■ 12.9126, 0.2434,
0.2938

■ 12.9126, 0.2434,
0.2938

■ 11.9531, 0.2321,
0.2854

■ 13.9830, 0.2559,
0.3018

■ 11.0966, 0.2224,
0.2767

■ 15.1685, 0.2694,
0.3094

■ 10.3368, 0.2143,
0.2680

■ 16.4749, 0.2836,
0.3165

■ 9.6655, 0.2080,
0.2592

■ 17.9070, 0.2981,
0.3231

■ 9.0551, 0.2029,
0.2504

■ 19.4694, 0.3128,
0.3290

■ 9.0521, 0.2029,
0.2503

■ 21.1664, 0.3274,
0.3344

■ 23.0022, 0.3417,
0.3392

■ 24.9807, 0.3557,
0.3435

■ 27.1055, 0.3691,
0.3473

Harmonies

Analogous

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



12.9126, 0.2535, 0.3263



12.9126, 0.2434, 0.2938



12.9126, 0.2503, 0.2735

Triad

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



12.9126, 0.2434, 0.2938



12.9126, 0.3452, 0.2983



12.9126, 0.3509, 0.3959

Complementary

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



12.9126, 0.2434, 0.2938



9.6529, 0.4277, 0.3603

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.



12.9126, 0.3780, 0.3830



12.9126, 0.2434, 0.2938



12.9126, 0.3752, 0.3268

Square

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



12.9126, 0.2434, 0.2938



12.9126, 0.3073, 0.2774



12.9126, 0.3873, 0.3573



12.9126, 0.3145, 0.3889

Rectangle

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



12.9126, 0.2434, 0.2938



12.9126, 0.2638, 0.2683



12.9126, 0.3873, 0.3573



12.9126, 0.3614, 0.3935

Sweetspot

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



12.9131, 0.2434, 0.2938



30.1132, 0.2902, 0.3196



15.4245, 0.2927, 0.4440



6.7895, 0.2878, 0.3185



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.9131, 0.2434, 0.2938



20.7928, 0.2306, 0.2841



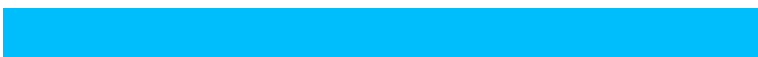
7.7504, 0.2296, 0.2193



4.3532, 0.2994, 0.3236



9.5174, 0.2028, 0.2501



44.0085, 0.2016, 0.2456

Inverse Universe

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



8.5428, 0.3450, 0.2386



12.6029, 0.3552, 0.2209



14.7313, 0.3970, 0.4178



4.0614, 0.3171, 0.3130



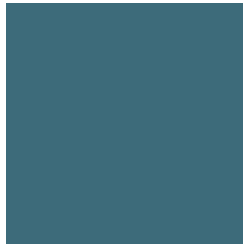
5.1677, 0.3921, 0.1934



24.5099, 0.3966, 0.1959

Previews

White Background



This preview shows how the Yxy color 12.9126, 0.2434, 0.2938 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 12.9126, 0.2434, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

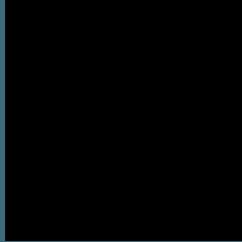
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9126, 0.2434, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 12.9126, 0.2434, 0.2938.

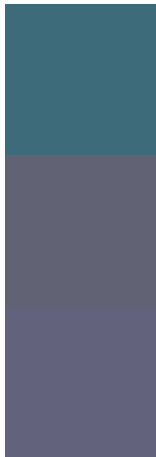


This preview shows how white text looks on a background with the Yxy color 12.9126, 0.2434, 0.2938.

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

12.9126, 0.2434, 0.2938

Protanopia

12.7494, 0.2866, 0.2899

Deuteranopia

12.7873, 0.2794, 0.2739



Tritanopia

12.9393, 0.2465, 0.3074

Trichromacy



Original Color

12.9126, 0.2434, 0.2938

Protanomaly

12.7195, 0.2683, 0.2908

Deuteranomaly

12.6687, 0.2650, 0.2803

Tritanomaly

13.0177, 0.2456, 0.3029

Monochromacy



Original Color

12.9126, 0.2434, 0.2938

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7826, 0.2825, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9126, 0.2434, 0.2938 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 $rgb(61, 107, 122)$ looks like.

```
.text, #text, p{  
  color:rgb(61, 107, 122)  
}
```

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(61, 107, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 107, 122) }
```

Border

The CSS property to change the border of an element to Yxy 12.9126, 0.2434, 0.2938 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(61, 107, 122) }
```

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

```
.border{ border-color:rgb(61, 107, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 107, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 107, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 107, 122);  
box-shadow:4px 4px 4px 4px rgb(61, 107,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9126, 0.2434, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 107, 122) }
```

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

```
.background{ background-color: rgb(61, 107,  
122) }
```

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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