

Converting Colors

$Y_{xy}(15.0425, 0.2423, 0.3130)$

Have a look what the booklet for
Yxy(15.0425, 0.2423, 0.3130)
contains.

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Color

Yxy(15.0186, 0.2423, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	38757C
RGB	56, 117, 124
RGB Percent	22%, 46%, 49%
CMY	0.7803, 0.5412, 0.5138
CMYK	0.55, 0.06, 0.00, 0.51
HSL	186°, 38%, 35%
HSV	186°, 55%, 49%
XYZ	11.6299, 15.0186, 21.3495
YIQ	99.5590, -38.6030, -10.7550

Conversions

Conversions Part 2

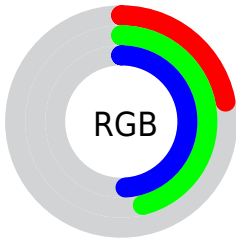
Format	Color
RYB	56, 88, 124
Decimal	3700092
CIELab	45.66, -17.55, -9.88
CIELCh	46, 20.138, 209.385
Yxy	15.0186, 0.2423, 0.3129
Android (android.graphics.Color)	4281890172 (0xFF38757C)
YUV	99.5590, 12.0494, -38.2012
Hunter-Lab	38.7538, -14.2518, -5.5353

Details

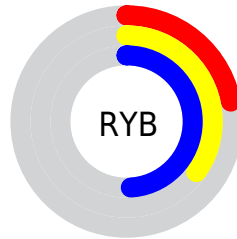
The Yxy color **15.0186, 0.2423, 0.3129** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.1243, 0.4564, 0.3433**, and the grayscale version is **12.6031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7617, 0.2590, 0.3178**, and **4.6422, 0.2173, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **14.4102, 0.2336, 0.3095**, and if you desaturate by 10%, it is **15.7207, 0.2526, 0.3162**.

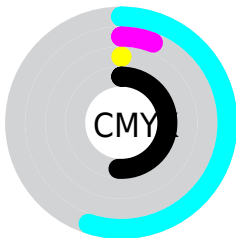
Distribution



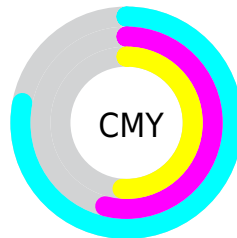
- Red (22%)
- Green (46%)
- Blue (49%)



- Red (22%)
- Yellow (35%)
- Blue (49%)



- Cyan (55%)
- Magenta (6%)
- Yellow (0%)
- Black (51%)



- Cyan (78%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0186, 0.2423, 0.3129 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 15.0186, 0.2423, 0.3129 by changing the saturation by 10% instead.

15.0186, 0.2423,
0.3129

15.0186, 0.2423,
0.3129

223.4788, 0.2832,
0.3233

8.8324, 0.2296,
0.3090

34.8858, 0.2588,
0.3175

4.6321, 0.2115,
0.3029

49.3356, 0.2645,
0.3189

2.0330, 0.1838,
0.2922

67.3088, 0.2691,
0.3201

0.6266, 0.0751,
0.2813

89.1898, 0.2729,
0.3210

0.0000, 0.0000,
0.0000

115.3628, 0.2761,
0.3217

146.2124, 0.2788,

0.3223

182.1229, 0.2812,
0.3229

■ 15.0186, 0.2423,
0.3129

■ 15.0186, 0.2423,
0.3129

■ 14.4102, 0.2336,
0.3095

■ 15.7207, 0.2526,
0.3162

■ 13.8871, 0.2265,
0.3061

■ 16.5208, 0.2644,
0.3194

■ 13.4422, 0.2213,
0.3027

■ 17.4249, 0.2773,
0.3224

■ 13.0643, 0.2177,
0.2993

■ 18.4381, 0.2911,
0.3252

■ 12.8780, 0.2160,
0.2975

■ 19.5650, 0.3056,
0.3278

■ 20.8102, 0.3204,
0.3302

■ 22.1778, 0.3354,
0.3324

■ 23.6719, 0.3504,
0.3343

■ 25.2961, 0.3651,
0.3360

Harmonies

Analogous

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



15.0186, 0.2649, 0.3530



15.0186, 0.2423, 0.3129



15.0186, 0.2374, 0.2811

Triad

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



15.0186, 0.2423, 0.3129



15.0186, 0.3205, 0.2790



15.0186, 0.3762, 0.3948

Complementary

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



15.0186, 0.2423, 0.3129



8.1243, 0.4564, 0.3433

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.



15.0186, 0.3939, 0.3699



15.0186, 0.2423, 0.3129



15.0186, 0.3609, 0.3050

Square

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



15.0186, 0.2423, 0.3129



15.0186, 0.2804, 0.2644



15.0186, 0.3885, 0.3374



15.0186, 0.3418, 0.4029

Rectangle

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



15.0186, 0.2423, 0.3129



15.0186, 0.2444, 0.2682



15.0186, 0.3885, 0.3374



15.0186, 0.3844, 0.3879

Sweetspot

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



15.0192, 0.2423, 0.3129



32.1642, 0.2889, 0.3248



15.6095, 0.2992, 0.4801



7.5031, 0.2866, 0.3243



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.0192, 0.2423, 0.3129



25.0978, 0.2315, 0.3086



8.5135, 0.2255, 0.2291



4.4455, 0.2994, 0.3267



13.0929, 0.2160, 0.2975



61.7304, 0.2155, 0.2958

Inverse Universe

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



8.3981, 0.3308, 0.2148



12.4315, 0.3358, 0.1945



13.0815, 0.4159, 0.4097



4.0708, 0.3151, 0.3100



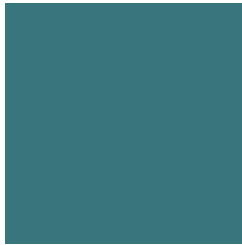
5.5286, 0.3476, 0.1689



26.2989, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 15.0186, 0.2423, 0.3129 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 15.0186, 0.2423, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

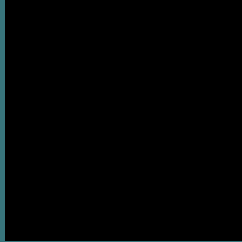
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0186, 0.2423, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 15.0186, 0.2423, 0.3129.



This preview shows how white text looks on a background with the Yxy color 15.0186, 0.2423, 0.3129.

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

15.0186, 0.2423, 0.3129

Protanopia

14.9492, 0.2990, 0.3064

Deuteranopia

14.8867, 0.2908, 0.2850



Tritanopia

15.0988, 0.2414, 0.3085

Trichromacy



Original Color

15.0186, 0.2423, 0.3129

Protanomaly

14.7997, 0.2738, 0.3094

Deuteranomaly

14.6173, 0.2695, 0.2928

Tritanomaly

15.0731, 0.2422, 0.3107

Monochromacy



Original Color

15.0186, 0.2423, 0.3129

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2970, 0.2802, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0186, 0.2423, 0.3129 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, 117, 124)` looks like.

```
.text, #text, p{  
  color:rgb(56, 117, 124)  
}
```

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, 117, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 117, 124) }
```

Border

The CSS property to change the border of an element to Yxy 15.0186, 0.2423, 0.3129 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, 117, 124) }
```

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

```
.border{ border-color:rgb(56, 117, 124) }
```

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

Here you see how a box with a 4 pixel rgb(56, 117, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 117, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 117, 124);  
box-shadow:4px 4px 4px 4px rgb(56, 117,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0186, 0.2423, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 117, 124) }
```

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

```
.background{ background-color: rgb(56, 117,  
124) }
```

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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