

Converting Colors

$Y_{xy}(15.0712, 0.2628, 0.3633)$

Have a look what the booklet for
Yxy(15.0712, 0.2628, 0.3633)
contains.

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Color

Yxy(15.1229, 0.2629, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	3B7768
RGB	59, 119, 104
RGB Percent	23%, 47%, 41%
CMY	0.7684, 0.5334, 0.5921
CMYK	0.50, 0.00, 0.13, 0.53
HSL	165°, 34%, 35%
HSV	165°, 50%, 47%
XYZ	10.9016, 15.1229, 15.4422
YIQ	99.3500, -30.9450, -17.3850

Conversions

Conversions Part 2

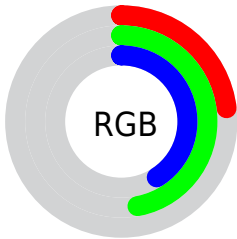
Format	Color
RYB	59, 93, 119
Decimal	3897192
CIELab	45.80, -23.45, 2.26
CIElCh	46, 23.563, 174.505
Yxy	15.1229, 0.2629, 0.3647
Android (android.graphics.Color)	4282087272 (0xFF3B7768)
YUV	99.3500, 2.2925, -35.3869
Hunter-Lab	38.8882, -18.0151, 3.6781

Details

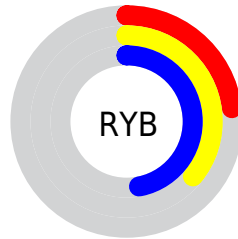
The Yxy color **15.1229, 0.2629, 0.3647** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5501, 0.4106, 0.2978**, and the grayscale version is **12.5738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2511, 0.2754, 0.3566**, and **4.6757, 0.2396, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **14.7406, 0.2564, 0.3732**, and if you desaturate by 10%, it is **15.5914, 0.2709, 0.3566**.

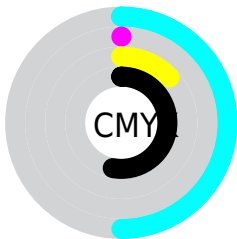
Distribution



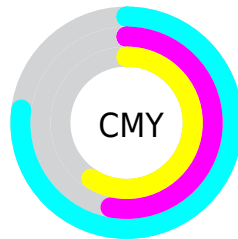
- Red (23%)
- Green (47%)
- Blue (41%)



- Red (23%)
- Yellow (36%)
- Blue (47%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)





- Cyan (77%)
- Magenta (53%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1229, 0.2629, 0.3647 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 15.1229, 0.2629, 0.3647 by changing the saturation by 10% instead.


 15.1229, 0.2629,
0.3647


 15.1229, 0.2629,
0.3647


 224.1089, 0.2925,
0.3433


 8.9057, 0.2533,
0.3718


 35.0686, 0.2751,
0.3558


 4.6797, 0.2392,
0.3824

 49.5660, 0.2792,
0.3528


 2.0606, 0.2164,
0.3998

 67.5921, 0.2825,
0.3505

 0.6423, 0.0310,
0.5257

 89.5314, 0.2852,
0.3485

 0.0000, 0.0000,
0.0000

 115.7684, 0.2875,
0.3469

 146.6874, 0.2894,

0.3455

182.6727, 0.2910,
0.3443

■ 15.1229, 0.2629,
0.3647

■ 15.1229, 0.2629,
0.3647

■ 14.7406, 0.2564,
0.3732

■ 15.5914, 0.2709,
0.3566

■ 14.4371, 0.2515,
0.3820

■ 16.1496, 0.2801,
0.3489

■ 14.2065, 0.2484,
0.3909

■ 16.8029, 0.2902,
0.3418

■ 14.0412, 0.2471,
0.3998

■ 17.5556, 0.3010,
0.3352

■ 13.9177, 0.2468,
0.4085

■ 18.4119, 0.3123,
0.3292

■ 19.3757, 0.3238,
0.3238

■ 20.4508, 0.3354,
0.3190

■ 21.6406, 0.3469,
0.3147

■ 22.9486, 0.3581,
0.3109

Harmonies

Analogous

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



15.1229, 0.3062, 0.4031



15.1229, 0.2629, 0.3647



15.1229, 0.2342, 0.3169

Triad

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



15.1229, 0.2629, 0.3647



15.1229, 0.2684, 0.2534



15.1229, 0.4084, 0.3697

Complementary

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



15.1229, 0.2629, 0.3647



7.5501, 0.4106, 0.2978

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.



15.1229, 0.3977, 0.3317



15.1229, 0.2629, 0.3647



15.1229, 0.3135, 0.2677

Square

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



15.1229, 0.2629, 0.3647



15.1229, 0.2373, 0.2561



15.1229, 0.3618, 0.2955



15.1229, 0.3913, 0.4014

Rectangle

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



15.1229, 0.2629, 0.3647



15.1229, 0.2260, 0.2891



15.1229, 0.3618, 0.2955



15.1229, 0.4080, 0.3573

Sweetspot

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



15.1235, 0.2629, 0.3647



30.7421, 0.2955, 0.3384



15.0062, 0.3237, 0.4719



7.2317, 0.2937, 0.3396



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.



15.1235, 0.2629, 0.3647



26.3291, 0.2557, 0.3742



12.3682, 0.2434, 0.2955



4.1404, 0.3025, 0.3344



14.7865, 0.2469, 0.4087



71.9143, 0.2482, 0.4135

Inverse Universe

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



7.5501, 0.4106, 0.2978



11.1571, 0.4462, 0.2925



9.0083, 0.4295, 0.3588



3.7145, 0.3240, 0.3237



4.2637, 0.5845, 0.2994



20.6588, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 15.1229, 0.2629, 0.3647 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 15.1229, 0.2629, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

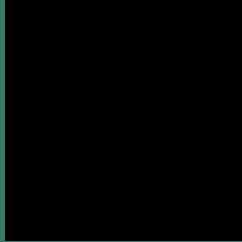
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1229, 0.2629, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 15.1229, 0.2629, 0.3647.



This preview shows how white text looks on a background with the Yxy color 15.1229, 0.2629, 0.3647.

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

15.1229, 0.2629, 0.3647

Protanopia

15.0517, 0.3313, 0.3500

Deuteranopia

14.8841, 0.3301, 0.3230



Tritanopia

15.1297, 0.2488, 0.3087

Trichromacy



Original Color

15.1229, 0.2629, 0.3647

Protanomaly

14.8356, 0.3024, 0.3558

Deuteranomaly

14.5193, 0.3004, 0.3355

Tritanomaly

15.0637, 0.2537, 0.3288

Monochromacy



Original Color

15.1229, 0.2629, 0.3647

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.1325, 0.2895, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1229, 0.2629, 0.3647 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(59, 119, 104)` looks like.

```
.text, #text, p{  
    color:rgb(59, 119, 104)  
}
```

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(59, 119, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 119, 104) }
```

Border

The CSS property to change the border of an element to Yxy 15.1229, 0.2629, 0.3647 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(59, 119, 104) }
```

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

```
.border{ border-color:rgb(59, 119, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 119, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 119, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 119, 104);  
box-shadow:4px 4px 4px 4px rgb(59, 119,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1229, 0.2629, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 119, 104) }
```

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

```
.background{ background-color: rgb(59, 119,  
104) }
```

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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