

Converting Colors

$Y_{xy}(15.7474, 0.2628, 0.3179)$

Have a look what the booklet for
Yxy(15.7474, 0.2628, 0.3179)
contains.

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Color

Yxy(15.7474, 0.2628, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	4E757A
RGB	78, 117, 122
RGB Percent	31%, 46%, 48%
CMY	0.6940, 0.5412, 0.5215
CMYK	0.36, 0.04, 0.00, 0.52
HSL	187°, 22%, 39%
HSV	187°, 36%, 48%
XYZ	13.0180, 15.7474, 20.7703
YIQ	105.9090, -24.8490, -6.7130

Conversions

Conversions Part 2

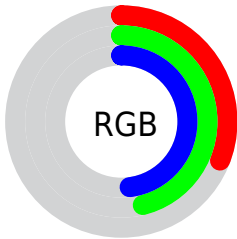
Format	Color
R_{YB}	78, 99, 122
Decimal	5141882
CIE _{Lab}	46.64, -12.27, -7.13
CIE _{LCh}	47, 14.192, 210.151
Yxy	15.7474, 0.2628, 0.3179
Android (android.graphics.Color)	4283331962 (0xFF4E757A)
YUV	105.9090, 7.9329, -24.4762
Hunter-Lab	39.6830, -10.8884, -3.2547

Details

The Yxy color **15.7474, 0.2628, 0.3179** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8818, 0.3902, 0.3397**, and the grayscale version is **14.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0991, 0.2748, 0.3213**, and **4.9985, 0.2413, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **14.9575, 0.2511, 0.3144**, and if you desaturate by 10%, it is **16.6390, 0.2756, 0.3213**.

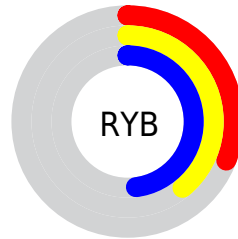
Distribution



Red (31%)

Green (46%)

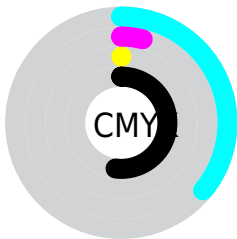
Blue (48%)



Red (31%)

Yellow (39%)

Blue (48%)

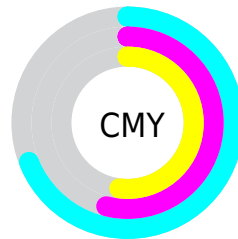


Cyan (36%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (69%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7474, 0.2628, 0.3179 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 15.7474, 0.2628, 0.3179 by changing the saturation by 10% instead.


 15.7474, 0.2628,
0.3179

 15.7474, 0.2628,
0.3179


227.8465, 0.2918,
0.3249


 9.3456, 0.2537,
0.3154


 36.1591, 0.2746,
0.3209


 4.9673, 0.2407,
0.3115

 50.9378, 0.2786,
0.3219


 2.2281, 0.2204,
0.3049

 69.2776, 0.2819,
0.3227

 0.7352, 0.1614,
0.2972

 91.5628, 0.2845,
0.3233

 0.0000, 0.0000,
0.0000

 118.1780, 0.2868,
0.3238

149.5074, 0.2887,

0.3242

185.9354, 0.2904,
0.3246

■ 15.7474, 0.2628,
0.3179

■ 15.7474, 0.2628,
0.3179

■ 14.9575, 0.2511,
0.3144

■ 16.6390, 0.2756,
0.3213

■ 14.2621, 0.2408,
0.3107

■ 17.6354, 0.2894,
0.3244

■ 13.6561, 0.2322,
0.3069

■ 18.7418, 0.3038,
0.3273

■ 13.1328, 0.2252,
0.3031

■ 19.9624, 0.3186,
0.3300

■ 12.6849, 0.2200,
0.2993

■ 21.3013, 0.3335,
0.3325

■ 12.2985, 0.2164,
0.2955

■ 22.7624, 0.3484,
0.3346

■ 12.1511, 0.2150,
0.2940

■ 24.3493, 0.3630,
0.3366

■ 26.0656, 0.3773,
0.3383

■ 27.9147, 0.3911,
0.3398

Harmonies

Analogous

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



15.7474, 0.2789, 0.3450



15.7474, 0.2628, 0.3179



15.7474, 0.2595, 0.2956

Triad

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



15.7474, 0.2628, 0.3179



15.7474, 0.3193, 0.2938



15.7474, 0.3567, 0.3754

Complementary

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



15.7474, 0.2628, 0.3179



10.8818, 0.3902, 0.3397

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.



15.7474, 0.3689, 0.3591



15.7474, 0.2628, 0.3179



15.7474, 0.3468, 0.3129

Square

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



15.7474, 0.2628, 0.3179



15.7474, 0.2910, 0.2832



15.7474, 0.3653, 0.3363



15.7474, 0.3328, 0.3794

Rectangle

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



15.7474, 0.2628, 0.3179



15.7474, 0.2648, 0.2862



15.7474, 0.3653, 0.3363



15.7474, 0.3623, 0.3711

Sweetspot

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



15.7480, 0.2628, 0.3179



31.9253, 0.2962, 0.3259



16.1590, 0.3034, 0.4211



7.2536, 0.2947, 0.3255



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.



15.7480, 0.2628, 0.3179



26.5747, 0.2534, 0.3151



11.3227, 0.2563, 0.2686



4.4381, 0.2994, 0.3265



12.7824, 0.2150, 0.2939



60.1825, 0.2144, 0.2919

Inverse Universe

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



10.8750, 0.3245, 0.2527



16.8245, 0.3277, 0.2364



14.6740, 0.3753, 0.3826



4.0700, 0.3153, 0.3103



5.4973, 0.3508, 0.1706



26.1426, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 15.7474, 0.2628, 0.3179 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 15.7474, 0.2628, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

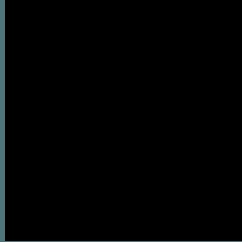
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7474, 0.2628, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 15.7474, 0.2628, 0.3179.



This preview shows how white text looks on a background with the Yxy color 15.7474, 0.2628, 0.3179.

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

15.7474, 0.2628, 0.3179

Protanopia

15.5366, 0.3042, 0.3127

Deuteranopia

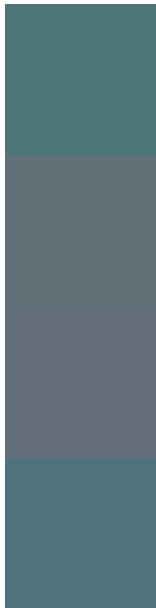
15.5480, 0.3009, 0.2955



Tritanopia

15.6594, 0.2597, 0.3073

Trichromacy



Original Color

15.7474, 0.2628, 0.3179

Protanomaly

15.5169, 0.2868, 0.3142

Deuteranomaly

15.5656, 0.2859, 0.3042

Tritanomaly

15.6337, 0.2607, 0.3094

Monochromacy



Original Color

15.7474, 0.2628, 0.3179

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8085, 0.2921, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7474, 0.2628, 0.3179 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(78, 117, 122)` looks like.

```
.text, #text, p{  
  color:rgb(78, 117, 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(78, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 117, 122) }
```

Border

The CSS property to change the border of an element to Yxy 15.7474, 0.2628, 0.3179 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(78, 117, 122) }
```

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

```
.border{ border-color:rgb(78, 117, 122) }
```

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

Here you see how a box with a 4 pixel rgb(78, 117, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(78, 117,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7474, 0.2628, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 117, 122) }
```

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

```
.background{ background-color: rgb(78, 117,  
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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