

Converting Colors

$Y_{xy}(15.7042, 0.3076, 0.4153)$

Have a look what the booklet for
Yxy(15.7042, 0.3076, 0.4153)
contains.

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Color

Yxy(15.7915, 0.3074, 0.4173)

Conversions

Conversions Part 1

Format	Color
Hex	517852
RGB	81, 120, 82
RGB Percent	32%, 47%, 32%
CMY	0.6824, 0.5294, 0.6784
CMYK	0.33, 0.00, 0.32, 0.53
HSL	122°, 19%, 39%
HSV	122°, 33%, 47%
XYZ	11.6327, 15.7915, 10.4179
YIQ	104.0070, -11.0460, -20.0860

Conversions

Conversions Part 2

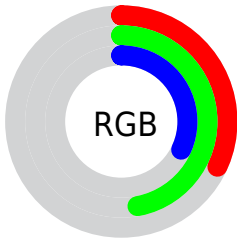
Format	Color
R_{YB}	81, 119, 120
Decimal	5339218
CIE _{Lab}	46.70, -22.01, 16.63
CIE _{LCh}	47, 27.585, 142.931
Yxy	15.7915, 0.3074, 0.4173
Android (android.graphics.Color)	4283529298 (0xFF517852)
YUV	104.0070, -10.8495, -20.1771
Hunter-Lab	39.7385, -17.2901, 12.2734

Details

The Yxy color **15.7915, 0.3074, 0.4173** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.2096, 0.3178, 0.2542**, and the grayscale version is **13.8774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4586, 0.3096, 0.3944**, and **4.9801, 0.3015, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **15.1450, 0.3056, 0.4500**, and if you desaturate by 10%, it is **16.5634, 0.3092, 0.3868**.

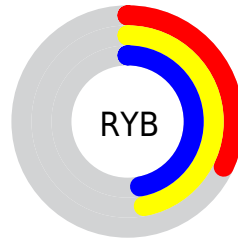
Distribution



Red (32%)

Green (47%)

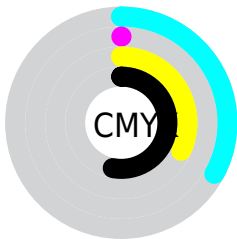
Blue (32%)



Red (32%)

Yellow (47%)

Blue (47%)

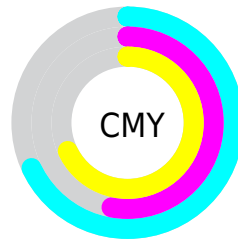


Cyan (33%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7915, 0.3074, 0.4173 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 15.7915, 0.3074, 0.4173 by changing the saturation by 10% instead.

 15.7915, 0.3074,
0.4173


 15.7915, 0.3074,
0.4173


228.1082, 0.3117,
0.3632


 9.3767, 0.3052,
0.4359


 36.2359, 0.3096,
0.3944


 4.9877, 0.3012,
0.4643

 51.0342, 0.3102,
0.3868


 2.2401, 0.2928,
0.5126

 69.3960, 0.3106,
0.3809

 0.7417, 0.1844,
0.8156

 91.7054, 0.3110,
0.3760

 0.0000, 0.0000,
0.0000

 118.3469, 0.3112,
0.3720

149.7050, 0.3114,

0.3686

186.1640, 0.3116,
0.3657

■ 15.7915, 0.3074,
0.4173

■ 15.7915, 0.3074,
0.4173

■ 15.1450, 0.3056,
0.4500

■ 16.5634, 0.3092,
0.3868

■ 14.6153, 0.3039,
0.4836

■ 17.4647, 0.3108,
0.3592

■ 14.1962, 0.3023,
0.5164


■ 18.5016, 0.3124,
0.3347

■ 13.8798, 0.3010,
0.5461


■ 19.6795, 0.3137,
0.3132


■ 13.6572, 0.3002,
0.5705


■ 21.0033, 0.3150,
0.2945


 13.5180, 0.2998,
0.5877

 22.4778, 0.3161,
0.2783

 13.4405, 0.2992,
0.5973

 24.1075, 0.3171,
0.2643

 25.8969, 0.3180,
0.2523

 27.8499, 0.3188,
0.2419

Harmonies

Analogous

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



15.7915, 0.3613, 0.4294



15.7915, 0.3074, 0.4173



15.7915, 0.2575, 0.3732

Triad

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



15.7915, 0.3074, 0.4173



15.7915, 0.2255, 0.2464



15.7915, 0.4094, 0.3290

Complementary

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



15.7915, 0.3074, 0.4173



11.2096, 0.3178, 0.2542

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.



15.7915, 0.3665, 0.2887



15.7915, 0.3074, 0.4173



15.7915, 0.2594, 0.2427

Square

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



15.7915, 0.3074, 0.4173



15.7915, 0.2132, 0.2714



15.7915, 0.3103, 0.2581



15.7915, 0.4231, 0.3722

Rectangle

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



15.7915, 0.3074, 0.4173



15.7915, 0.2329, 0.3355



15.7915, 0.3103, 0.2581



15.7915, 0.3978, 0.3149

Sweetspot

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



15.7922, 0.3074, 0.4173



31.1064, 0.3112, 0.3534



17.9747, 0.3584, 0.4062



7.3249, 0.3110, 0.3563



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.



15.7922, 0.3074, 0.4173



26.9058, 0.3061, 0.4415



16.1255, 0.2873, 0.3716



4.4515, 0.3114, 0.3505



14.6616, 0.2993, 0.5974



69.9180, 0.2997, 0.5989

Inverse Universe

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



11.2096, 0.3178, 0.2542



17.5195, 0.3191, 0.2375



10.7950, 0.3490, 0.2902



4.0758, 0.3141, 0.3084



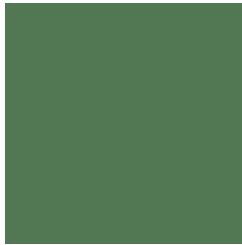
5.7546, 0.3272, 0.1576



27.4298, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 15.7915, 0.3074, 0.4173 looks on a white background.

Color Contrast Check

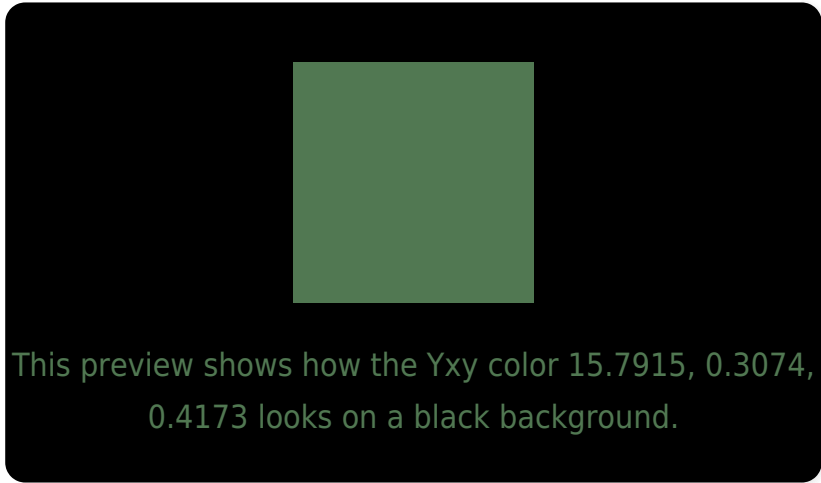
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

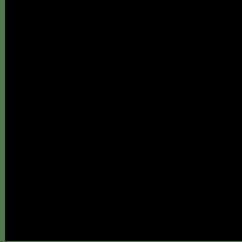
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7915, 0.3074, 0.4173

Background



This preview shows how black text looks on a background with the Yxy color 15.7915, 0.3074, 0.4173.



This preview shows how white text looks on a background with the Yxy color 15.7915, 0.3074, 0.4173.

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

15.7915, 0.3074, 0.4173

Protanopia

15.6239, 0.3673, 0.3942

Deuteranopia

15.6311, 0.3750, 0.3699



Tritanopia

15.8406, 0.2717, 0.3098

Trichromacy



Original Color

15.7915, 0.3074, 0.4173

Protanomaly

15.6024, 0.3437, 0.4046

Deuteranomaly

15.4537, 0.3487, 0.3858

Tritanomaly

15.8051, 0.2842, 0.3466

Monochromacy



Original Color

15.7915, 0.3074, 0.4173

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4832, 0.3112, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7915, 0.3074, 0.4173 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(81, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(81, 120, 82)  
}
```

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(81, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 120, 82) }
```

Border

The CSS property to change the border of an element to Yxy 15.7915, 0.3074, 0.4173 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(81, 120, 82) }
```

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

```
.border{ border-color:rgb(81, 120, 82) }
```

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

Here you see how a box with a 4 pixel rgb(81, 120, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(81, 120,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7915, 0.3074, 0.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 120, 82) }
```

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

```
.background{ background-color: rgb(81, 120,  
82) }
```

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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