

Converting Colors

$Y_{xy}(15.8088, 0.2726, 0.3914)$

Have a look what the booklet for
Yxy(15.8088, 0.2726, 0.3914)
contains.

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Color

Yxy(15.7557, 0.2730, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	3D7A60
RGB	61, 122, 96
RGB Percent	24%, 48%, 38%
CMY	0.7607, 0.5216, 0.6236
CMYK	0.50, 0.00, 0.21, 0.52
HSL	154°, 33%, 36%
HSV	154°, 50%, 48%
XYZ	10.9952, 15.7557, 13.5244
YIQ	100.7970, -28.0100, -21.0180

Conversions

Conversions Part 2

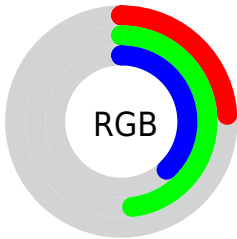
Format	Color
R_{YB}	61, 100, 122
Decimal	4029024
CIE _{Lab}	46.65, -26.43, 8.23
CIE _{LCh}	47, 27.679, 162.698
Yxy	15.7557, 0.2730, 0.3912
Android (android.graphics.Color)	4282219104 (0xFF3D7A60)
YUV	100.7970, -2.3649, -34.9020
Hunter-Lab	39.6935, -20.0187, 7.5840




Details

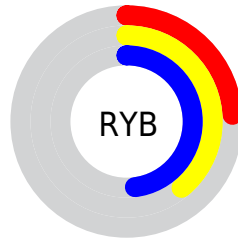
The Yxy color **15.7557, 0.2730, 0.3912** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.1648, 0.3860, 0.2760**, and the grayscale version is **12.9710, 0.3127, 0.3290**.




A 20% lighter version of the original color is **36.2772, 0.2830, 0.3746**, and **5.0147, 0.2531, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **15.3195, 0.2679, 0.4065**, and if you desaturate by 10%, it is **16.2877, 0.2794, 0.3767**.

Distribution







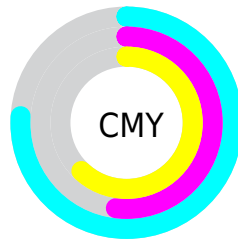
-  Red (24%)
-  Green (48%)
-  Blue (38%)






-  Red (24%)
-  Yellow (39%)
-  Blue (48%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (21%)
-  Black (52%)




-  Cyan (76%)
-  Magenta (52%)
-  Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7557, 0.2730, 0.3912 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 15.7557, 0.2730, 0.3912 by changing the saturation by 10% instead.


 15.7557, 0.2730,
0.3912


 15.7557, 0.2730,
0.3912


227.8958, 0.2970,
0.3533


 9.3514, 0.2650,
0.4042


 36.1736, 0.2830,
0.3752


 4.9711, 0.2529,
0.4239

 50.9560, 0.2863,
0.3700


 2.2303, 0.2329,
0.4573

 69.2999, 0.2890,
0.3658

 0.7365, 0.0539,
0.7237

 91.5897, 0.2912,
0.3624

 0.0000, 0.0000,
0.0000

 118.2098, 0.2930,
0.3595

149.5446, 0.2945,

0.3571

185.9785, 0.2958,
0.3551

■ 15.7557, 0.2730,
0.3912

■ 15.7557, 0.2730,
0.3912

■ 15.3195, 0.2679,
0.4065

■ 16.2877, 0.2794,
0.3767

■ 14.9709, 0.2643,
0.4223

■ 16.9190, 0.2869,
0.3632

■ 14.7036, 0.2626,
0.4383


■ 17.6556, 0.2951,
0.3507


■ 14.5097, 0.2626,
0.4542

■ 18.5022, 0.3038,
0.3393


■ 14.3615, 0.2639,
0.4699

■ 19.4633, 0.3127,
0.3290

 14.3614, 0.2639,
0.4699

 20.5431, 0.3218,
0.3198

 21.7457, 0.3307,
0.3116

 23.0749, 0.3395,
0.3044

 24.5342, 0.3481,
0.2980

Harmonies

Analogous

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



15.7557, 0.3261, 0.4259



15.7557, 0.2730, 0.3912



15.7557, 0.2328, 0.3360

Triad

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



15.7557, 0.2730, 0.3912



15.7557, 0.2453, 0.2414



15.7557, 0.4227, 0.3577

Complementary

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



15.7557, 0.2730, 0.3912



8.1648, 0.3860, 0.2760

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.



15.7557, 0.3978, 0.3145



15.7557, 0.2730, 0.3912



15.7557, 0.2914, 0.2506

Square

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



15.7557, 0.2730, 0.3912



15.7557, 0.2184, 0.2522



15.7557, 0.3479, 0.2766



15.7557, 0.4145, 0.3985

Rectangle

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



15.7557, 0.2730, 0.3912



15.7557, 0.2177, 0.3002



15.7557, 0.3479, 0.2766



15.7557, 0.4180, 0.3431

Sweetspot

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



15.7563, 0.2730, 0.3912



31.7255, 0.2991, 0.3452



16.3042, 0.3362, 0.4656



7.1977, 0.2976, 0.3472



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.



15.7563, 0.2730, 0.3912



26.8520, 0.2673, 0.4087



15.3395, 0.2481, 0.3196



4.4849, 0.3046, 0.3383



15.1179, 0.2640, 0.4703



71.9410, 0.2662, 0.4782

Inverse Universe

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



8.1648, 0.3860, 0.2760



11.8543, 0.4126, 0.2659



8.2641, 0.4398, 0.3377



4.0408, 0.3216, 0.3199



4.6160, 0.5191, 0.2633



21.8555, 0.5315, 0.2701

Previews

White Background



This preview shows how the Yxy color 15.7557, 0.2730, 0.3912 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 15.7557, 0.2730, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

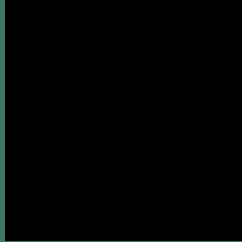
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.7557, 0.2730, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 15.7557, 0.2730, 0.3912.



This preview shows how white text looks on a background with the Yxy color 15.7557, 0.2730, 0.3912.

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

15.7557, 0.2730, 0.3912

Protanopia

15.6030, 0.3470, 0.3703

Deuteranopia

15.5689, 0.3494, 0.3429



Tritanopia

15.7913, 0.2513, 0.3092

Trichromacy



Original Color

15.7557, 0.2730, 0.3912

Protanomaly

15.2941, 0.3156, 0.3779

Deuteranomaly

15.2950, 0.3166, 0.3593

Tritanomaly

15.6479, 0.2588, 0.3357

Monochromacy



Original Color

15.7557, 0.2730, 0.3912

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8166, 0.2946, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7557, 0.2730, 0.3912 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, 122, 96)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 96)  
}
```

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, 122, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 96) }
```

Border

The CSS property to change the border of an element to Yxy 15.7557, 0.2730, 0.3912 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, 122, 96) }
```

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

```
.border{ border-color:rgb(61, 122, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 122, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 96);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7557, 0.2730, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 96) }
```

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

```
.background{ background-color: rgb(61, 122,  
96) }
```

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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