

Converting Colors

$Y_{xy}(15.7949, 0.3129, 0.4028)$

Have a look what the booklet for
Yxy(15.7949, 0.3129, 0.4028)
contains.

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Color

$Y_{xy}(15.7526, 0.3130, 0.4016)$

Conversions

Conversions Part 1

Format	Color
Hex	597656
RGB	89, 118, 86
RGB Percent	35%, 46%, 34%
CMY	0.6510, 0.5372, 0.6628
CMYK	0.25, 0.00, 0.27, 0.54
HSL	114°, 16%, 40%
HSV	114°, 27%, 46%
XYZ	12.2773, 15.7526, 11.1947
YIQ	105.6810, -7.0120, -16.1000

Conversions

Conversions Part 2

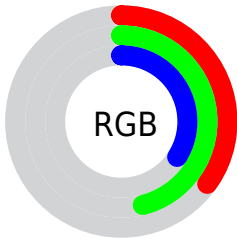
Format	Color
R_{YB}	86, 118, 115
Decimal	5862998
CIE _{Lab}	46.65, -17.29, 14.32
CIE _{LCh}	47, 22.446, 140.361
Yxy	15.7526, 0.3130, 0.4016
Android (android.graphics.Color)	4284053078 (0xFF597656)
YUV	105.6810, -9.7027, -14.6292
Hunter-Lab	39.6895, -14.2407, 11.0595

Details

The Yxy color **15.7526, 0.3130, 0.4016** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6062, 0.3111, 0.2642**, and the grayscale version is **14.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1025, 0.3138, 0.3823**, and **4.9086, 0.3095, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **15.0875, 0.3127, 0.4332**, and if you desaturate by 10%, it is **16.5273, 0.3131, 0.3724**.

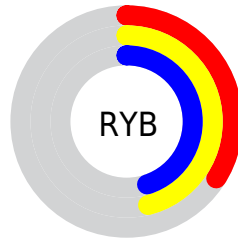
Distribution



Red (35%)

Green (46%)

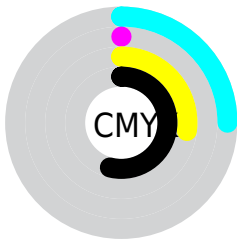
Blue (34%)



Red (34%)

Yellow (46%)

Blue (45%)

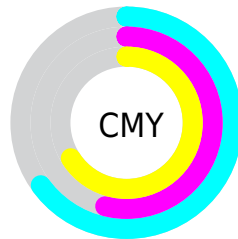


Cyan (25%)

Magenta (0%)

Yellow (27%)

Black (54%)



Cyan (65%)


Magenta (54%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7526, 0.3130, 0.4016 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 15.7526, 0.3130, 0.4016 by changing the saturation by 10% instead.


 15.7526, 0.3130,
0.4016


 15.7526, 0.3130,
0.4016


227.8774, 0.3136,
0.3574


 9.3493, 0.3123,
0.4167


 36.1682, 0.3135,
0.3830


 4.9697, 0.3106,
0.4395

 50.9492, 0.3136,
0.3768


 2.2295, 0.3065,
0.4778

 69.2916, 0.3137,
0.3719

 0.7360, 0.2739,
0.7261

 91.5797, 0.3137,
0.3679

 0.0000, 0.0000,
0.0000

 118.1979, 0.3137,
0.3646

149.5307, 0.3137,

0.3618

185.9624, 0.3136,
0.3594

■ 15.7526, 0.3130,
0.4016

■ 15.7526, 0.3130,
0.4016

■ 15.0875, 0.3127,
0.4332

■ 16.5273, 0.3131,
0.3724

■ 14.5251, 0.3120,
0.4664

■ 17.4141, 0.3129,
0.3460

■ 14.0609, 0.3109,
0.4995

■ 18.4180, 0.3126,
0.3226

■ 13.6892, 0.3094,
0.5308

■ 19.5429, 0.3122,
0.3020

■ 13.4038, 0.3075,
0.5579

■ 20.7928, 0.3117,
0.2840

■ 13.1977, 0.3054,
0.5788

■ 22.1714, 0.3112,
0.2684

■ 13.0599, 0.3036,
0.5934

■ 23.6821, 0.3107,
0.2548

■ 13.0297, 0.3034,
0.5973

■ 25.3284, 0.3102,
0.2430

■ 27.1135, 0.3097,
0.2327

Harmonies

Analogous

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



15.7526, 0.3569, 0.4100



15.7526, 0.3130, 0.4016



15.7526, 0.2709, 0.3684

Triad

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



15.7526, 0.3130, 0.4016



15.7526, 0.2388, 0.2621



15.7526, 0.3891, 0.3268

Complementary

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



15.7526, 0.3130, 0.4016



11.6062, 0.3111, 0.2642

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.



15.7526, 0.3530, 0.2932



15.7526, 0.3130, 0.4016



15.7526, 0.2660, 0.2569

Square

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



15.7526, 0.3130, 0.4016



15.7526, 0.2302, 0.2852



15.7526, 0.3072, 0.2683



15.7526, 0.4028, 0.3630

Rectangle

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



15.7526, 0.3130, 0.4016



15.7526, 0.2493, 0.3388



15.7526, 0.3072, 0.2683



15.7526, 0.3790, 0.3150

Sweetspot

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



15.7533, 0.3130, 0.4016



30.4413, 0.3129, 0.3487



16.7400, 0.3530, 0.3873



6.9520, 0.3130, 0.3519



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.7533, 0.3130, 0.4016



26.8936, 0.3128, 0.4225



15.8326, 0.2952, 0.3722



4.1132, 0.3130, 0.3508



14.0922, 0.3033, 0.5974



68.4971, 0.3017, 0.5987

Inverse Universe

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



11.6062, 0.3111, 0.2642



18.2228, 0.3104, 0.2480



11.5294, 0.3354, 0.2895



3.7413, 0.3123, 0.3080



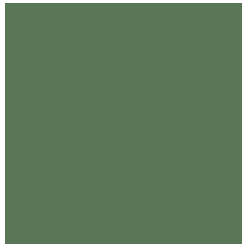
4.7877, 0.2982, 0.1416



23.1306, 0.2969, 0.1409

Previews

White Background



This preview shows how the Yxy color 15.7526, 0.3130, 0.4016 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 15.7526, 0.3130, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

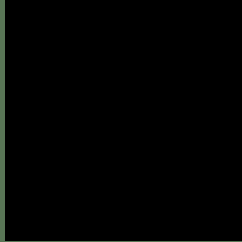
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7526, 0.3130, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 15.7526, 0.3130, 0.4016.



This preview shows how white text looks on a background with the Yxy color 15.7526, 0.3130, 0.4016.

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

15.7526, 0.3130, 0.4016

Protanopia

15.6126, 0.3605, 0.3863

Deuteranopia

15.6185, 0.3679, 0.3623



Tritanopia

15.6483, 0.2801, 0.3100

Trichromacy



Original Color

15.7526, 0.3130, 0.4016

Protanomaly

15.5606, 0.3420, 0.3933

Deuteranomaly

15.4338, 0.3468, 0.3749

Tritanomaly

15.6928, 0.2921, 0.3420

Monochromacy



Original Color

15.7526, 0.3130, 0.4016

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7620, 0.3129, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7526, 0.3130, 0.4016 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(89, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 86)  
}
```

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(89, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 86) }
```

Border

The CSS property to change the border of an element to Yxy 15.7526, 0.3130, 0.4016 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(89, 118, 86) }
```

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

```
.border{ border-color:rgb(89, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7526, 0.3130, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 86) }
```

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

```
.background{ background-color: rgb(89, 118,  
86) }
```

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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