

Converting Colors

$Y_{xy}(15.6846, 0.3187, 0.4647)$

Have a look what the booklet for
Yxy(15.6846, 0.3187, 0.4647)
contains.

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Color

$Y_{xy}(15.7851, 0.3182, 0.4656)$

Conversions

Conversions Part 1

Format	Color
Hex	4B7A40
RGB	75, 122, 64
RGB Percent	29%, 48%, 25%
CMY	0.7058, 0.5216, 0.7490
CMYK	0.39, 0.00, 0.48, 0.52
HSL	109°, 31%, 36%
HSV	109°, 48%, 48%
XYZ	10.7878, 15.7851, 7.3298
YIQ	101.3350, -9.3940, -28.0020

Conversions

Conversions Part 2

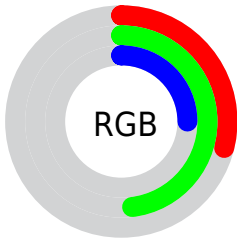
Format	Color
RYB	64, 122, 111
Decimal	4946496
CIELab	46.69, -28.14, 26.73
CIElCh	47, 38.808, 136.468
Yxy	15.7851, 0.3182, 0.4656
Android (android.graphics.Color)	4283136576 (0xFF4B7A40)
YUV	101.3350, -18.4062, -23.0958
Hunter-Lab	39.7305, -21.0610, 16.8731

Details

The Yxy color **15.7851, 0.3182, 0.4656** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.4517, 0.2993, 0.2125**, and the grayscale version is **13.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2878, 0.3189, 0.4299**, and **5.0154, 0.3112, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **15.2935, 0.3178, 0.4978**, and if you desaturate by 10%, it is **16.3703, 0.3178, 0.4333**.

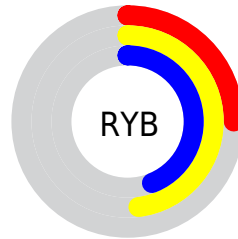
Distribution



Red (29%)

Green (48%)

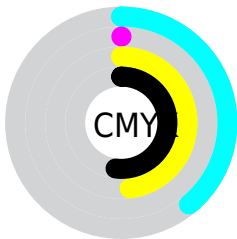
Blue (25%)



Red (25%)

Yellow (48%)

Blue (44%)

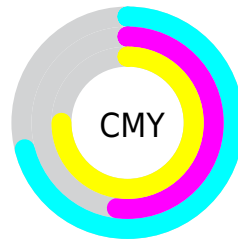


Cyan (39%)

Magenta (0%)

Yellow (48%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7851, 0.3182, 0.4656 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 15.7851, 0.3182, 0.4656 by changing the saturation by 10% instead.

■ 15.7851, 0.3182,
0.4656

■ 15.7851, 0.3182,
0.4656

■ 228.0703, 0.3178,
0.3812

■ 9.3722, 0.3161,
0.4946

■ 36.2247, 0.3192,
0.4298

■ 4.9848, 0.3108,
0.5379

■ 51.0203, 0.3191,
0.4180

■ 2.2383, 0.3141,
0.6446

■ 69.3788, 0.3190,
0.4087

■ 0.7408, 0.0227,
0.9773

■ 91.6847, 0.3188,
0.4011

■ 0.0000, 0.0000,
0.0000

■ 118.3224, 0.3185,
0.3948

■ 149.6763, 0.3183,

0.3896

186.1308, 0.3180,
0.3851

■ 15.7851, 0.3182,
0.4656

■ 15.7851, 0.3182,
0.4656

■ 15.2935, 0.3178,
0.4978

■ 16.3703, 0.3178,
0.4333

■ 14.8888, 0.3166,
0.5282

■ 17.0517, 0.3169,
0.4022

■ 14.5662, 0.3145,
0.5546


■ 17.8341, 0.3156,
0.3733

■ 14.3198, 0.3116,
0.5753


■ 18.7215, 0.3140,
0.3470

■ 14.1399, 0.3085,
0.5902

■ 19.7175, 0.3123,
0.3234

 14.1030, 0.3080,
0.5937

 20.8257, 0.3105,
0.3025

 22.0496, 0.3087,
0.2841

 23.3922, 0.3069,
0.2680

 24.8568, 0.3052,
0.2539

Harmonies

Analogous

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



15.7851, 0.3910, 0.4660



15.7851, 0.3182, 0.4656



15.7851, 0.2479, 0.4095

Triad

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



15.7851, 0.3182, 0.4656



15.7851, 0.1893, 0.2207



15.7851, 0.4390, 0.3136

Complementary

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



15.7851, 0.3182, 0.4656



8.4517, 0.2993, 0.2125

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.



15.7851, 0.3708, 0.2636



15.7851, 0.3182, 0.4656



15.7851, 0.2271, 0.2120

Square

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



15.7851, 0.3182, 0.4656



15.7851, 0.1795, 0.2581



15.7851, 0.2913, 0.2277



15.7851, 0.4668, 0.3701

Rectangle

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



15.7851, 0.3182, 0.4656



15.7851, 0.2120, 0.3540



15.7851, 0.2913, 0.2277



15.7851, 0.4196, 0.2958

Sweetspot

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



15.7858, 0.3182, 0.4656



31.8546, 0.3151, 0.3646



15.7464, 0.3892, 0.4206



7.2228, 0.3154, 0.3694



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.



15.7858, 0.3182, 0.4656



26.8407, 0.3178, 0.5005



15.6094, 0.2897, 0.4276



4.4832, 0.3143, 0.3509



14.8454, 0.3079, 0.5938



70.5305, 0.3055, 0.5957

Inverse Universe

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



8.4517, 0.2993, 0.2125



12.2661, 0.2947, 0.1880



8.8170, 0.3489, 0.2483



4.0409, 0.3109, 0.3077



4.2592, 0.2748, 0.1288



19.9676, 0.2724, 0.1274

Previews

White Background



This preview shows how the Yxy color 15.7851, 0.3182, 0.4656 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 15.7851, 0.3182, 0.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

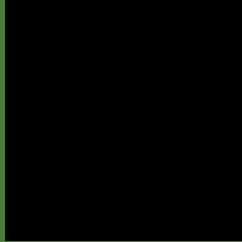
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7851, 0.3182, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 15.7851, 0.3182, 0.4656.



This preview shows how white text looks on a background with the Yxy color 15.7851, 0.3182, 0.4656.

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

15.7851, 0.3182, 0.4656

Protanopia

15.5431, 0.3928, 0.4277

Deuteranopia

15.5071, 0.4053, 0.3986



Tritanopia

15.6951, 0.2685, 0.3097

Trichromacy



Original Color

15.7851, 0.3182, 0.4656

Protanomaly

15.3146, 0.3633, 0.4427

Deuteranomaly

15.2189, 0.3702, 0.4211

Tritanomaly

15.7100, 0.2872, 0.3652

Monochromacy



Original Color

15.7851, 0.3182, 0.4656

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9172, 0.3158, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7851, 0.3182, 0.4656 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(75, 122, 64)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 64)  
}
```

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(75, 122, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 64) }
```

Border

The CSS property to change the border of an element to Yxy 15.7851, 0.3182, 0.4656 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(75, 122, 64) }
```

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

```
.border{ border-color:rgb(75, 122, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 64);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7851, 0.3182, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 64) }
```

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

```
.background{ background-color: rgb(75, 122,  
64) }
```

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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