

Converting Colors

$Y_{xy}(15.4278, 0.3253, 0.5217)$

Have a look what the booklet for
Yxy(15.4278, 0.3253, 0.5217)
contains.

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Color

Yxy(15.4160, 0.3244, 0.5211)

Conversions

Conversions Part 1

Format	Color
Hex	407B29
RGB	64, 123, 41
RGB Percent	25%, 48%, 16%
CMY	0.7491, 0.5176, 0.8391
CMYK	0.48, 0.00, 0.67, 0.52
HSL	103°, 50%, 32%
HSV	103°, 67%, 48%
XYZ	9.5969, 15.4160, 4.5707
YIQ	96.0110, -8.8420, -38.0100

Conversions

Conversions Part 2

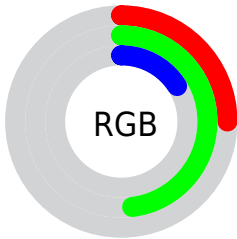
Format	Color
RYB	41, 123, 100
Decimal	4225833
CIELab	46.20, -35.27, 37.73
CIElCh	46, 51.649, 133.070
Yxy	15.4160, 0.3244, 0.5211
Android (android.graphics.Color)	4282415913 (0xFF407B29)
YUV	96.0110, -27.1204, -28.0736
Hunter-Lab	39.2632, -25.0808, 20.5823

Details

The Yxy color **15.4160, 0.3244, 0.5211** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.7315, 0.2776, 0.1652**, and the grayscale version is **11.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5708, 0.3272, 0.4710**, and **4.7909, 0.3033, 0.5974** is the 20% darker color. If you saturate the color by 10%, you get **15.0701, 0.3226, 0.5472**, and if you desaturate by 10%, it is **15.8373, 0.3249, 0.4915**.

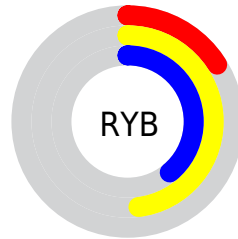
Distribution



Red (25%)

Green (48%)

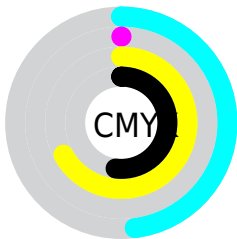
Blue (16%)



Red (16%)

Yellow (48%)

Blue (39%)

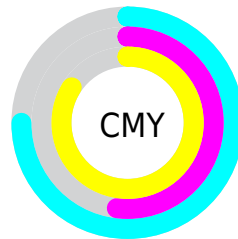


Cyan (48%)

Magenta (0%)

Yellow (67%)

Black (52%)



Cyan (75%)


Magenta (52%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4160, 0.3244, 0.5211 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 15.4160, 0.3244, 0.5211 by changing the saturation by 10% instead.


 15.4160, 0.3244,
0.5211


 15.4160, 0.3244,
0.5211


225.8705, 0.3236,
0.4018


 9.1119, 0.3196,
0.5608


 35.5813, 0.3267,
0.4708


 4.8142, 0.3100,
0.6227

 50.2113, 0.3266,
0.4541

 2.1387, 0.2828,
0.7172

 68.3854, 0.3262,
0.4408

 0.6862, 0.0000,
1.0000

 90.4879, 0.3257,
0.4301

 0.0000, 0.0000,
0.0000

 116.9033, 0.3251,
0.4212

 148.0159, 0.3246,

0.4137

184.2102, 0.3241,
0.4073

■ 15.4160, 0.3244,
0.5211

■ 15.4160, 0.3244,
0.5211

■ 15.0701, 0.3226,
0.5472

■ 15.8373, 0.3249,
0.4915

■ 14.7927, 0.3195,
0.5682

■ 16.3363, 0.3243,
0.4603

■ 14.5770, 0.3156,
0.5836

■ 16.9176, 0.3227,
0.4290

■ 14.5145, 0.3145,
0.5885

■ 17.5851, 0.3205,
0.3988

■ 18.3420, 0.3178,
0.3706

■ 19.1917, 0.3148,
0.3448

■ 20.1373, 0.3117,
0.3214

■ 21.1817, 0.3086,
0.3006

■ 22.3277, 0.3055,
0.2821

Harmonies

Analogous

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



15.4160, 0.4169, 0.5014



15.4160, 0.3244, 0.5211



15.4160, 0.2337, 0.4529

Triad

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



15.4160, 0.3244, 0.5211



15.4160, 0.1539, 0.1926



15.4160, 0.4735, 0.2974

Complementary

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



15.4160, 0.3244, 0.5211



5.7315, 0.2776, 0.1652

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.



15.4160, 0.3765, 0.2385



15.4160, 0.3244, 0.5211



15.4160, 0.1952, 0.1807

Square

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



15.4160, 0.3244, 0.5211



15.4160, 0.1450, 0.2405



15.4160, 0.2718, 0.1974



15.4160, 0.5149, 0.3650

Rectangle

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



15.4160, 0.3244, 0.5211



15.4160, 0.1871, 0.3737



15.4160, 0.2718, 0.1974



15.4160, 0.4454, 0.2764

Sweetspot

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



15.4167, 0.3244, 0.5211



32.3016, 0.3188, 0.3812



13.4439, 0.4289, 0.4400



7.5333, 0.3195, 0.3878



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.4167, 0.3244, 0.5211



26.7051, 0.3211, 0.5591



14.9529, 0.2902, 0.4940



4.4993, 0.3155, 0.3508



15.0114, 0.3144, 0.5886



71.2304, 0.3113, 0.5910

Inverse Universe

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



5.7315, 0.2776, 0.1652



7.9369, 0.2664, 0.1379



6.8246, 0.3547, 0.2100



4.0238, 0.3096, 0.3076



3.6520, 0.2533, 0.1169



16.9770, 0.2498, 0.1150

Previews

White Background



This preview shows how the Yxy color 15.4160, 0.3244, 0.5211 looks on a white background.

Color Contrast Check

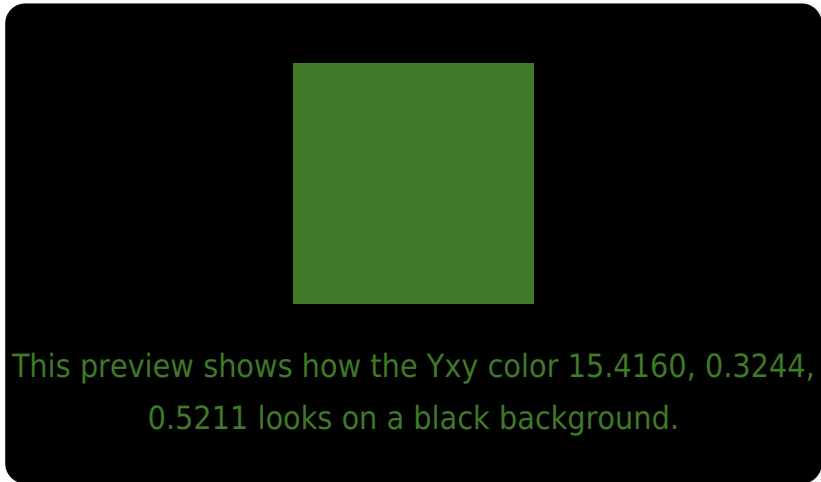
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4160, 0.3244, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 15.4160, 0.3244, 0.5211.



This preview shows how white text looks on a background with the Yxy color 15.4160, 0.3244, 0.5211.

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

15.4160, 0.3244, 0.5211

Protanopia

15.2084, 0.4191, 0.4609

Deuteranopia

15.2568, 0.4350, 0.4294



Tritanopia

15.3790, 0.2613, 0.3093

Trichromacy



Original Color

15.4160, 0.3244, 0.5211

Protanomaly

14.9413, 0.3813, 0.4855

Deuteranomaly

14.8096, 0.3900, 0.4634

Tritanomaly

15.2209, 0.2868, 0.3856

Monochromacy



Original Color

15.4160, 0.3244, 0.5211

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.7147, 0.3202, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4160, 0.3244, 0.5211 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(64, 123, 41)` looks like.

```
.text, #text, p{  
    color:rgb(64, 123, 41)  
}
```

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(64, 123, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 123, 41) }
```

Border

The CSS property to change the border of an element to Yxy 15.4160, 0.3244, 0.5211 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(64, 123, 41) }
```

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

```
.border{ border-color:rgb(64, 123, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 123, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 123, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 123, 41);  
box-shadow:4px 4px 4px 4px rgb(64, 123,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4160, 0.3244, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 123, 41) }
```

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

```
.background{ background-color: rgb(64, 123,  
41) }
```

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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