

Converting Colors

$Y_{xy}(15.5922, 0.3315, 0.5277)$

Have a look what the booklet for
Yxy(15.5922, 0.3315, 0.5277)
contains.

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Color

Yxy(15.5222, 0.3322, 0.5269)

Conversions

Conversions Part 1

Format	Color
Hex	447B24
RGB	68, 123, 36
RGB Percent	27%, 48%, 14%
CMY	0.7333, 0.5176, 0.8587
CMYK	0.45, 0.00, 0.71, 0.52
HSL	98°, 55%, 31%
HSV	98°, 71%, 48%
XYZ	9.7864, 15.5222, 4.1508
YIQ	96.6370, -4.8530, -38.7170

Conversions

Conversions Part 2

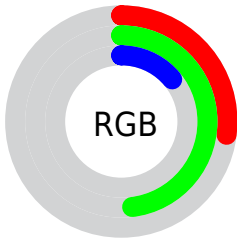
Format	Color
R_{YB}	36, 123, 91
Decimal	4487972
CIE _{Lab}	46.34, -34.36, 40.17
CIE _{LCh}	46, 52.865, 130.542
Yxy	15.5222, 0.3322, 0.5269
Android (android.graphics.Color)	4282678052 (0xFF447B24)
YUV	96.6370, -29.8940, -25.1146
Hunter-Lab	39.3982, -24.6079, 21.3322

Details

The Yxy color **15.5222, 0.3322, 0.5269** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.9174, 0.2608, 0.1505**, and the grayscale version is **11.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7875, 0.3333, 0.4755**, and **4.8432, 0.3098, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **15.1988, 0.3303, 0.5502**, and if you desaturate by 10%, it is **15.9099, 0.3325, 0.4997**.

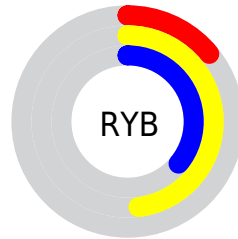
Distribution



Red (27%)

Green (48%)

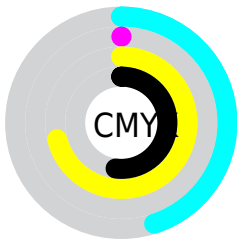
Blue (14%)



Red (14%)

Yellow (48%)

Blue (36%)

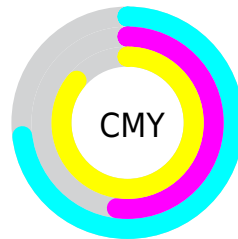


Cyan (45%)

Magenta (0%)

Yellow (71%)

Black (52%)



Cyan (73%)


Magenta (52%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5222, 0.3322, 0.5269 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 15.5222, 0.3322, 0.5269 by changing the saturation by 10% instead.


 15.5222, 0.3322,
0.5269


 15.5222, 0.3322,
0.5269


226.5056, 0.3274,
0.4047


 9.1867, 0.3280,
0.5666


 35.7667, 0.3332,
0.4758


 4.8632, 0.3210,
0.6314

 50.4445, 0.3325,
0.4587

 2.1672, 0.2891,
0.7109

 68.6718, 0.3317,
0.4451

 0.7020, 0.0000,
1.0000

 90.8331, 0.3308,
0.4340

 0.0000, 0.0000,
0.0000

 117.3127, 0.3298,
0.4248

 148.4951, 0.3290,

0.4170

184.7646, 0.3282,
0.4104

15.5222, 0.3322,
0.5269

15.5222, 0.3322,
0.5269

15.1988, 0.3303,
0.5502

15.9099, 0.3325,
0.4997

14.9335, 0.3267,
0.5683

16.3636, 0.3313,
0.4701

14.7293, 0.3229,
0.5818

16.8874, 0.3289,
0.4398

17.4845, 0.3256,
0.4099

18.1578, 0.3217,
0.3814

■ 18.9101, 0.3174,
0.3549

■ 19.7440, 0.3130,
0.3306

■ 20.6620, 0.3086,
0.3087

■ 21.6664, 0.3043,
0.2891

Harmonies

Analogous

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



15.5222, 0.4254, 0.4996



15.5222, 0.3322, 0.5269



15.5222, 0.2389, 0.4651

Triad

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



15.5222, 0.3322, 0.5269



15.5222, 0.1494, 0.1927



15.5222, 0.4702, 0.2910

Complementary

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



15.5222, 0.3322, 0.5269



4.9174, 0.2608, 0.1505

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.



15.5222, 0.3683, 0.2326



15.5222, 0.3322, 0.5269



15.5222, 0.1883, 0.1782

Square

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



15.5222, 0.3322, 0.5269



15.5222, 0.1431, 0.2447



15.5222, 0.2629, 0.1928



15.5222, 0.5181, 0.3589

Rectangle

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



15.5222, 0.3322, 0.5269



15.5222, 0.1897, 0.3851



15.5222, 0.2629, 0.1928



15.5222, 0.4399, 0.2701

Sweetspot

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



15.5229, 0.3322, 0.5269



32.4145, 0.3220, 0.3836



11.5932, 0.4491, 0.4297



7.5679, 0.3229, 0.3899



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.



15.5229, 0.3322, 0.5269



26.9030, 0.3282, 0.5624



14.7398, 0.2961, 0.5254



4.5151, 0.3167, 0.3507



15.2346, 0.3228, 0.5819



72.2241, 0.3194, 0.5846

Inverse Universe

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



4.9174, 0.2608, 0.1505



6.5599, 0.2451, 0.1217



6.6629, 0.3395, 0.1921



4.0073, 0.3084, 0.3075



3.1410, 0.2331, 0.1058



14.4873, 0.2288, 0.1034

Previews

White Background



This preview shows how the Yxy color 15.5222, 0.3322, 0.5269 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 15.5222, 0.3322, 0.5269 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 15.5222, 0.3322, 0.5269

Background



This preview shows how black text looks on a background with the Yxy color 15.5222, 0.3322, 0.5269.



This preview shows how white text looks on a background with the Yxy color 15.5222, 0.3322, 0.5269.

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

15.5222, 0.3322, 0.5269

Protanopia

15.4671, 0.4233, 0.4675

Deuteranopia

15.3093, 0.4406, 0.4341



Tritanopia

15.5105, 0.2643, 0.3094

Trichromacy



Original Color

15.5222, 0.3322, 0.5269

Protanomaly

15.2548, 0.3870, 0.4920

Deuteranomaly

14.9016, 0.3977, 0.4694

Tritanomaly

15.3074, 0.2922, 0.3900

Monochromacy



Original Color

15.5222, 0.3322, 0.5269

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.7945, 0.3243, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5222, 0.3322, 0.5269 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(68, 123, 36)` looks like.

```
.text, #text, p{  
    color:rgb(68, 123, 36)  
}
```

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(68, 123, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 123, 36) }
```

Border

The CSS property to change the border of an element to Yxy 15.5222, 0.3322, 0.5269 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(68, 123, 36) }
```

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

```
.border{ border-color:rgb(68, 123, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 123, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 123, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 123, 36);  
box-shadow:4px 4px 4px 4px rgb(68, 123,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5222, 0.3322, 0.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 123, 36) }
```

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

```
.background{ background-color: rgb(68, 123,  
36) }
```

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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