

Converting Colors

$Y_{xy}(13.4417, 0.3301, 0.5155)$

Have a look what the booklet for
Yxy(13.4417, 0.3301, 0.5155)
contains.

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Color

Yxy(13.5318, 0.3301, 0.5149)

Conversions

Conversions Part 1

Format	Color
Hex	417327
RGB	65, 115, 39
RGB Percent	25%, 45%, 15%
CMY	0.7452, 0.5490, 0.8471
CMYK	0.44, 0.00, 0.66, 0.55
HSL	99°, 49%, 30%
HSV	99°, 66%, 45%
XYZ	8.6752, 13.5318, 4.0735
YIQ	91.3860, -5.4040, -34.2360

Conversions

Conversions Part 2

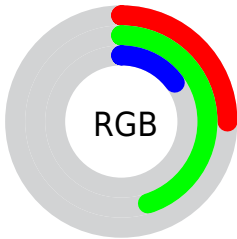
Format	Color
R_{YB}	39, 115, 89
Decimal	4289319
CIE Lab	43.55, -31.58, 35.79
CIE LCh	44, 47.727, 131.422
Yxy	13.5318, 0.3301, 0.5149
Android (android.graphics.Color)	4282479399 (0xFF417327)
YUV	91.3860, -25.8263, -23.1405
Hunter-Lab	36.7856, -22.2790, 19.1844

Details

The Yxy color **13.5318, 0.3301, 0.5149** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.8143, 0.2694, 0.1632**, and the grayscale version is **10.6138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1239, 0.3308, 0.4638**, and **3.9676, 0.3109, 0.5913** is the 20% darker color. If you saturate the color by 10%, you get **13.2262, 0.3288, 0.5406**, and if you desaturate by 10%, it is **13.8963, 0.3299, 0.4861**.

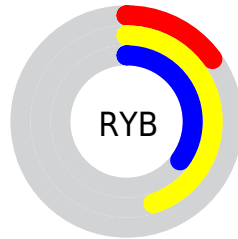
Distribution



Red (25%)

Green (45%)

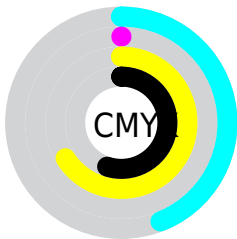
Blue (15%)



Red (15%)

Yellow (45%)

Blue (35%)

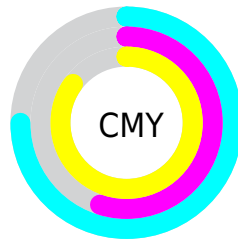


Cyan (44%)

Magenta (0%)

Yellow (66%)

Black (55%)



Cyan (75%)


Magenta (55%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5318, 0.3301, 0.5149 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 13.5318, 0.3301, 0.5149 by changing the saturation by 10% instead.


 13.5318, 0.3301,
0.5149


 13.5318, 0.3301,
0.5149


214.2984, 0.3253,
0.3979


 7.7958, 0.3264,
0.5550


 32.2559, 0.3307,
0.4649


 3.9645, 0.3215,
0.6253

 46.0128, 0.3300,
0.4485

 1.6537, 0.2838,
0.7162

 63.2121, 0.3292,
0.4356

 0.3934, 0.0000,
1.0000

 84.2382, 0.3283,
0.4252

 0.0000, 0.0000,
0.0000

 109.4754, 0.3275,
0.4165

 139.3083, 0.3267,

0.4093

174.1211, 0.3260,
0.4032

■ 13.5318, 0.3301,
0.5149

■ 13.5318, 0.3301,
0.5149

■ 13.2262, 0.3288,
0.5406

■ 13.8963, 0.3299,
0.4861

■ 12.9743, 0.3260,
0.5616

■ 14.3212, 0.3284,
0.4558

■ 12.7707, 0.3221,
0.5776

■ 14.8101, 0.3260,
0.4255

■ 12.7004, 0.3207,
0.5836

■ 15.3655, 0.3227,
0.3962

■ 15.9901, 0.3191,
0.3687

■ 16.6863, 0.3152,
0.3433

■ 17.4564, 0.3112,
0.3203

■ 18.3025, 0.3072,
0.2996

■ 19.2267, 0.3034,
0.2812

Harmonies

Analogous

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



13.5318, 0.4194, 0.4938



13.5318, 0.3301, 0.5149



13.5318, 0.2410, 0.4536

Triad

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



13.5318, 0.3301, 0.5149



13.5318, 0.1568, 0.1982



13.5318, 0.4639, 0.2954

Complementary

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



13.5318, 0.3301, 0.5149



4.8143, 0.2694, 0.1632

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.



13.5318, 0.3688, 0.2384



13.5318, 0.3301, 0.5149



13.5318, 0.1955, 0.1846

Square

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



13.5318, 0.3301, 0.5149



13.5318, 0.1500, 0.2475



13.5318, 0.2683, 0.1993



13.5318, 0.5080, 0.3613

Rectangle

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



13.5318, 0.3301, 0.5149



13.5318, 0.1943, 0.3788



13.5318, 0.2683, 0.1993



13.5318, 0.4359, 0.2750

Sweetspot

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



13.5324, 0.3301, 0.5149



28.1181, 0.3207, 0.3806



10.8377, 0.4344, 0.4295



6.6489, 0.3216, 0.3868



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.



13.5324, 0.3301, 0.5149



23.4443, 0.3276, 0.5517



12.9282, 0.2945, 0.5042



4.1534, 0.3163, 0.3506



14.5060, 0.3203, 0.5839



70.2584, 0.3168, 0.5867

Inverse Universe

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



4.8143, 0.2694, 0.1632



6.5326, 0.2561, 0.1343



6.0876, 0.3426, 0.2030



3.6983, 0.3088, 0.3077



3.1459, 0.2392, 0.1091



14.8434, 0.2349, 0.1068

Previews

White Background



This preview shows how the Yxy color 13.5318, 0.3301, 0.5149 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 13.5318, 0.3301, 0.5149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

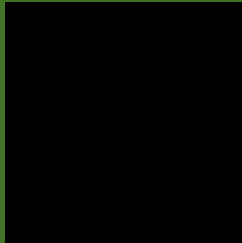
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5318, 0.3301, 0.5149

Background



This preview shows how black text looks on a background with the Yxy color 13.5318, 0.3301, 0.5149.



This preview shows how white text looks on a background with the Yxy color 13.5318, 0.3301, 0.5149.

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

13.5318, 0.3301, 0.5149

Protanopia

13.4727, 0.4172, 0.4593

Deuteranopia

13.2509, 0.4344, 0.4263



Tritanopia

13.6058, 0.2662, 0.3107

Trichromacy



Original Color

13.5318, 0.3301, 0.5149

Protanomaly

13.1903, 0.3832, 0.4805

Deuteranomaly

13.0181, 0.3917, 0.4596

Tritanomaly

13.4899, 0.2914, 0.3856

Monochromacy



Original Color

13.5318, 0.3301, 0.5149

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.3761, 0.3239, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5318, 0.3301, 0.5149 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(65, 115, 39)` looks like.

```
.text, #text, p{  
    color:rgb(65, 115, 39)  
}
```

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(65, 115, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 115, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.5318, 0.3301, 0.5149 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(65, 115, 39) }
```

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

```
.border{ border-color:rgb(65, 115, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 115, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 115, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 115, 39);  
box-shadow:4px 4px 4px 4px rgb(65, 115,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5318, 0.3301, 0.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 115, 39) }
```

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

```
.background{ background-color: rgb(65, 115,  
39) }
```

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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