

Converting Colors

$Y_{xy}(13.4705, 0.2963, 0.5179)$

Have a look what the booklet for
Yxy(13.4705, 0.2963, 0.5179)
contains.

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Color

Yxy(13.5554, 0.2959, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	25762F
RGB	37, 118, 47
RGB Percent	15%, 46%, 18%
CMY	0.8548, 0.5373, 0.8156
CMYK	0.69, 0.00, 0.60, 0.54
HSL	127°, 52%, 30%
HSV	127°, 69%, 46%
XYZ	7.7553, 13.5554, 4.8985
YIQ	85.6870, -25.4850, -39.2530

Conversions

Conversions Part 2

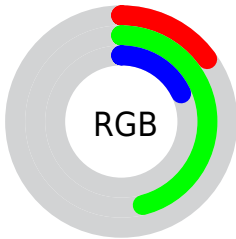
Format	Color
R_{YB}	37, 109, 118
Decimal	2455087
CIE _{Lab}	43.59, -39.98, 31.61
CIE _{LCh}	44, 50.966, 141.672
Yxy	13.5554, 0.2959, 0.5172
Android (android.graphics.Color)	4280645167 (0xFF25762F)
YUV	85.6870, -19.0727, -42.6985
Hunter-Lab	36.8177, -26.8315, 17.8840

Details

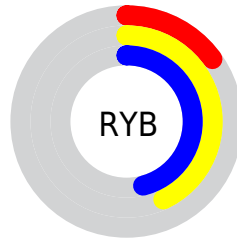
The Yxy color **13.5554, 0.2959, 0.5172** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.2590, 0.3396, 0.1960**, and the grayscale version is **9.2833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2792, 0.3048, 0.4654**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2979, 0.2954, 0.5445**, and if you desaturate by 10%, it is **13.9044, 0.2972, 0.4871**.

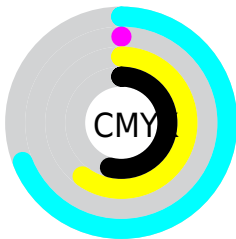
Distribution



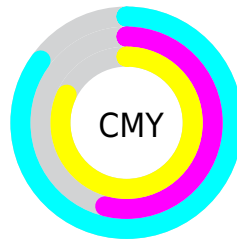
- Red (15%)
- Green (46%)
- Blue (18%)



- Red (15%)
- Yellow (43%)
- Blue (46%)



- Cyan (69%)
- Magenta (0%)
- Yellow (60%)
- Black (54%)




- Cyan (85%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5554, 0.2959, 0.5172 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 13.5554, 0.2959, 0.5172 by changing the saturation by 10% instead.


 13.5554, 0.2959,
0.5172


 13.5554, 0.2959,
0.5172


214.4471, 0.3113,
0.3968


 7.8121, 0.2863,
0.5608


 32.2980, 0.3046,
0.4647


 3.9749, 0.2690,
0.6305

 46.0662, 0.3067,
0.4479


 1.6596, 0.2147,
0.7853

 63.2780, 0.3082,
0.4347

 0.3973, 0.0000,
1.0000

 84.3180, 0.3092,
0.4241

 0.0000, 0.0000,
0.0000

 109.5705, 0.3099,
0.4155

 139.4200, 0.3105,

0.4082

174.2507, 0.3109,
0.4021

■ 13.5554, 0.2959,
0.5172

■ 13.5554, 0.2959,
0.5172

■ 13.2979, 0.2954,
0.5445

■ 13.9044, 0.2972,
0.4871

■ 13.1217, 0.2957,
0.5673

■ 14.3508, 0.2992,
0.4562

■ 13.0047, 0.2963,
0.5845

■ 14.9016, 0.3017,
0.4258

■ 12.9901, 0.2962,
0.5865

■ 15.5631, 0.3045,
0.3971

■ 16.3407, 0.3074,
0.3708

■ 17.2398, 0.3103,
0.3472

■ 18.2652, 0.3131,
0.3263

■ 19.4215, 0.3158,
0.3079

■ 20.7132, 0.3183,
0.2919

Harmonies

Analogous

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



13.5554, 0.3926, 0.5190



13.5554, 0.2959, 0.5172



13.5554, 0.2087, 0.4230

Triad

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



13.5554, 0.2959, 0.5172



13.5554, 0.1590, 0.1825



13.5554, 0.4978, 0.3152

Complementary

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



13.5554, 0.2959, 0.5172



6.2590, 0.3396, 0.1960

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.



13.5554, 0.4101, 0.2520



13.5554, 0.2959, 0.5172



13.5554, 0.2109, 0.1795

Square

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



13.5554, 0.2959, 0.5172



13.5554, 0.1406, 0.2193



13.5554, 0.2993, 0.2040



13.5554, 0.5189, 0.3854

Rectangle

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



13.5554, 0.2959, 0.5172



13.5554, 0.1686, 0.3392



13.5554, 0.2993, 0.2040



13.5554, 0.4746, 0.2931

Sweetspot

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



13.5560, 0.2959, 0.5172



28.3145, 0.3065, 0.3782



16.3135, 0.3889, 0.4857



6.4424, 0.3059, 0.3837



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.



13.5560, 0.2959, 0.5172



23.1975, 0.2955, 0.5575



14.0380, 0.2617, 0.4099



4.1049, 0.3102, 0.3481



14.0523, 0.2964, 0.5869



68.4072, 0.2979, 0.5924

Inverse Universe

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



6.2590, 0.3396, 0.1960



9.4022, 0.3465, 0.1801



5.5943, 0.4403, 0.2683



3.7505, 0.3154, 0.3106



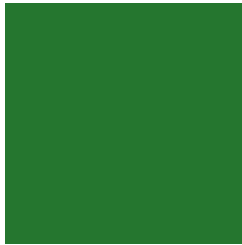
5.2346, 0.3534, 0.1721



25.4233, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 13.5554, 0.2959, 0.5172 looks on a white background.

Color Contrast Check

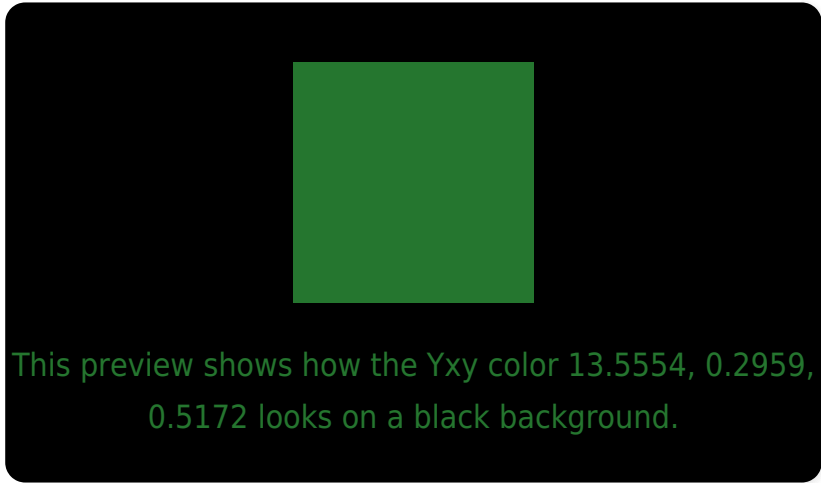
Large Text (above 18pt) WCAG AA ✓ Pass

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

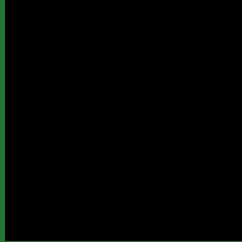
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5554, 0.2959, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 13.5554, 0.2959, 0.5172.



This preview shows how white text looks on a background with the Yxy color 13.5554, 0.2959, 0.5172.

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

13.5554, 0.2959, 0.5172

Protanopia

13.4451, 0.4097, 0.4513

Deuteranopia

13.4280, 0.4217, 0.4159



Tritanopia

13.6245, 0.2444, 0.3077

Trichromacy



Original Color

13.5554, 0.2959, 0.5172

Protanomaly

12.8854, 0.3589, 0.4790

Deuteranomaly

12.7219, 0.3662, 0.4538

Tritanomaly

13.5031, 0.2638, 0.3827

Monochromacy



Original Color

13.5554, 0.2959, 0.5172

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.4322, 0.3037, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5554, 0.2959, 0.5172 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(37, 118, 47)` looks like.

```
.text, #text, p{  
    color:rgb(37, 118, 47)  
}
```

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(37, 118, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 118, 47) }
```

Border

The CSS property to change the border of an element to Yxy 13.5554, 0.2959, 0.5172 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(37, 118, 47) }
```

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

```
.border{ border-color:rgb(37, 118, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 118, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 118, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 118, 47);  
box-shadow:4px 4px 4px 4px rgb(37, 118,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5554, 0.2959, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 118, 47) }
```

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

```
.background{ background-color: rgb(37, 118,  
47) }
```

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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