

Converting Colors

$Y_{xy}(13.9498, 0.2827, 0.4642)$

Have a look what the booklet for
Yxy(13.9498, 0.2827, 0.4642)
contains.

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Color

Yxy(13.8544, 0.2831, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	2A7643
RGB	42, 118, 67
RGB Percent	16%, 46%, 26%
CMY	0.8351, 0.5373, 0.7373
CMYK	0.64, 0.00, 0.43, 0.54
HSL	140°, 47%, 31%
HSV	140°, 64%, 46%
XYZ	8.4475, 13.8544, 7.5374
YIQ	89.4620, -28.9250, -31.9730

Conversions

Conversions Part 2

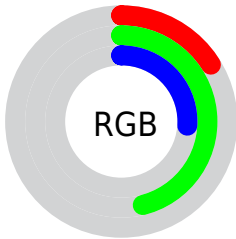
Format	Color
R_{YB}	42, 99, 118
Decimal	2782787
CIE _{Lab}	44.02, -35.59, 21.37
CIE _{LCh}	44, 41.509, 149.017
Y _{xy}	13.8544, 0.2831, 0.4643
Android (android.graphics.Color)	4280972867 (0xFF2A7643)
YUV	89.4620, -11.0738, -41.6242
Hunter-Lab	37.2215, -24.6266, 14.0487

Details

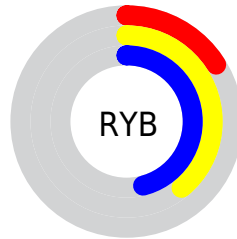
The Yxy color **13.8544, 0.2831, 0.4643** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.3019, 0.3721, 0.2281**, and the grayscale version is **10.1306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8736, 0.2924, 0.4264**, and **4.3142, 0.2820, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **13.5528, 0.2819, 0.4890**, and if you desaturate by 10%, it is **14.2435, 0.2857, 0.4396**.

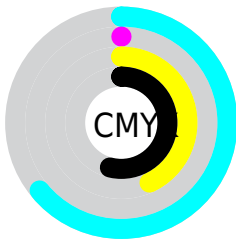
Distribution



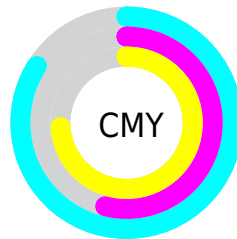
- Red (16%)
- Green (46%)
- Blue (26%)



- Red (16%)
- Yellow (39%)
- Blue (46%)



- Cyan (64%)
- Magenta (0%)
- Yellow (43%)
- Black (54%)





- Cyan (84%)
- Magenta (54%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8544, 0.2831, 0.4643 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 13.8544, 0.2831, 0.4643 by changing the saturation by 10% instead.


 13.8544, 0.2831,
0.4643


 13.8544, 0.2831,
0.4643


216.3232, 0.3035,
0.3784


 8.0195, 0.2743,
0.4958


 32.8305, 0.2926,
0.4268


 4.1074, 0.2592,
0.5454

 46.7404, 0.2955,
0.4149

 1.7338, 0.2392,
0.6834

 64.1107, 0.2976,
0.4055

 0.4454, 0.0000,
1.0000

 85.3260, 0.2993,
0.3979

 0.0000, 0.0000,
0.0000

 110.7704, 0.3007,
0.3917

 140.8285, 0.3018,

0.3866

175.8846, 0.3027,
0.3822

■ 13.8544, 0.2831,
0.4643

■ 13.8544, 0.2831,
0.4643

■ 13.5528, 0.2819,
0.4890

■ 14.2435, 0.2857,
0.4396

■ 13.3298, 0.2822,
0.5127

■ 14.7247, 0.2895,
0.4156

■ 13.1755, 0.2840,
0.5343

■ 15.3043, 0.2940,
0.3929

■ 13.1015, 0.2849,
0.5457

■ 15.9875, 0.2992,
0.3720

■ 16.7794, 0.3047,
0.3529

■ 17.6843, 0.3103,
0.3359

■ 18.7066, 0.3159,
0.3207

■ 19.8503, 0.3213,
0.3073

■ 21.1194, 0.3266,
0.2955

Harmonies

Analogous

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



13.8544, 0.3648, 0.4894



13.8544, 0.2831, 0.4643



13.8544, 0.2140, 0.3804

Triad

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



13.8544, 0.2831, 0.4643



13.8544, 0.1909, 0.2025



13.8544, 0.4732, 0.3358

Complementary

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



13.8544, 0.2831, 0.4643



6.3019, 0.3721, 0.2281

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.



13.8544, 0.4129, 0.2780



13.8544, 0.2831, 0.4643



13.8544, 0.2442, 0.2052

Square

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



13.8544, 0.2831, 0.4643



13.8544, 0.1677, 0.2285



13.8544, 0.3245, 0.2320



13.8544, 0.4798, 0.3978

Rectangle

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



13.8544, 0.2831, 0.4643



13.8544, 0.1840, 0.3170



13.8544, 0.3245, 0.2320



13.8544, 0.4584, 0.3157

Sweetspot

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



13.8550, 0.2831, 0.4643



28.7690, 0.3018, 0.3624



15.5010, 0.3643, 0.4907



6.5430, 0.3006, 0.3668



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.



13.8550, 0.2831, 0.4643



23.6359, 0.2818, 0.5000



14.4508, 0.2499, 0.3634



4.1162, 0.3076, 0.3436



14.1721, 0.2851, 0.5464



68.9194, 0.2877, 0.5557

Inverse Universe

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



6.3019, 0.3721, 0.2281



9.2075, 0.3915, 0.2146



5.7959, 0.4697, 0.3020



3.7385, 0.3182, 0.3149



4.7791, 0.4211, 0.2093



23.1262, 0.4278, 0.2131

Previews

White Background



This preview shows how the Yxy color 13.8544, 0.2831, 0.4643 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 13.8544, 0.2831, 0.4643 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 13.8544, 0.2831, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 13.8544, 0.2831, 0.4643.



This preview shows how white text looks on a background with the Yxy color 13.8544, 0.2831, 0.4643.

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

13.8544, 0.2831, 0.4643

Protanopia

13.7483, 0.3848, 0.4197

Deuteranopia

13.6637, 0.3925, 0.3855



Tritanopia

13.8986, 0.2448, 0.3079

Trichromacy



Original Color

13.8544, 0.2831, 0.4643

Protanomaly

13.3224, 0.3393, 0.4390

Deuteranomaly

13.1299, 0.3424, 0.4134

Tritanomaly

13.7311, 0.2587, 0.3613

Monochromacy



Original Color

13.8544, 0.2831, 0.4643

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0861, 0.2978, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8544, 0.2831, 0.4643 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(42, 118, 67)` looks like.

```
.text, #text, p{  
    color:rgb(42, 118, 67)  
}
```

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(42, 118, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 118, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.8544, 0.2831, 0.4643 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(42, 118, 67) }
```

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

```
.border{ border-color:rgb(42, 118, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 118, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 118, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 118, 67);  
box-shadow:4px 4px 4px 4px rgb(42, 118,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8544, 0.2831, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 118, 67) }
```

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

```
.background{ background-color: rgb(42, 118,  
67) }
```

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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