

Converting Colors

$Y_{xy}(13.7344, 0.2887, 0.4643)$

Have a look what the booklet for
Yxy(13.7344, 0.2887, 0.4643)
contains.

Yxy(13.7443, 0.2887, 0.4633)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7443, 0.2887, 0.4633)

Conversions

Conversions Part 1

Format	Color
Hex	307542
RGB	48, 117, 66
RGB Percent	19%, 46%, 26%
CMY	0.8117, 0.5412, 0.7411
CMYK	0.59, 0.00, 0.44, 0.54
HSL	136°, 42%, 32%
HSV	136°, 59%, 46%
XYZ	8.5646, 13.7443, 7.3572
YIQ	90.5550, -24.7530, -30.4890

Conversions

Conversions Part 2

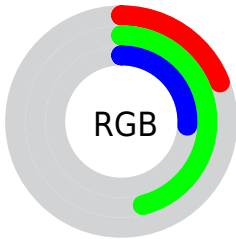
Format	Color
RYB	48, 103, 117
Decimal	3175746
CIELab	43.86, -33.87, 21.75
CIELCh	44, 40.257, 147.292
Yxy	13.7443, 0.2887, 0.4633
Android (android.graphics.Color)	4281365826 (0xFF307542)
YUV	90.5550, -12.1056, -37.3207
Hunter-Lab	37.0733, -23.6416, 14.1852

Details

The Yxy color **13.7443, 0.2887, 0.4633** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.7988, 0.3548, 0.2266**, and the grayscale version is **10.3896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7540, 0.2968, 0.4258**, and **4.1884, 0.2826, 0.5375** is the 20% darker color. If you saturate the color by 10%, you get **13.4024, 0.2870, 0.4902**, and if you desaturate by 10%, it is **14.1779, 0.2915, 0.4365**.

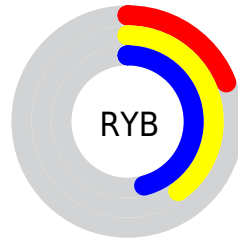
Distribution



Red (19%)

Green (46%)

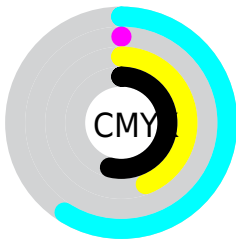
Blue (26%)



Red (19%)

Yellow (40%)

Blue (46%)

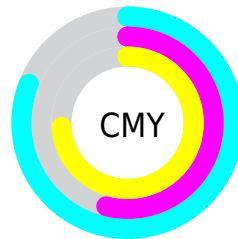


Cyan (59%)

Magenta (0%)

Yellow (44%)

Black (54%)



Cyan (81%)


Magenta (54%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7443, 0.2887, 0.4633 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 13.7443, 0.2887, 0.4633 by changing the saturation by 10% instead.


 13.7443, 0.2887,
0.4633


 13.7443, 0.2887,
0.4633


215.6343, 0.3057,
0.3781

 7.9430, 0.2810,
0.4946


 32.6346, 0.2969,
0.4261


 4.0585, 0.2674,
0.5436

 46.4925, 0.2992,
0.4143


 1.7064, 0.2539,
0.6857

 63.8047, 0.3010,
0.4050

 0.4278, 0.0000,
1.0000

 84.9556, 0.3024,
0.3975

 0.0000, 0.0000,
0.0000

 110.3296, 0.3035,
0.3913

 140.3111, 0.3044,

0.3862

175.2845, 0.3051,
0.3818

■ 13.7443, 0.2887,
0.4633

■ 13.7443, 0.2887,
0.4633

■ 13.4024, 0.2870,
0.4902

■ 14.1779, 0.2915,
0.4365

■ 13.1437, 0.2866,
0.5160

■ 14.7074, 0.2951,
0.4108

■ 12.9611, 0.2877,
0.5396

■ 15.3390, 0.2993,
0.3868

■ 12.8315, 0.2893,
0.5600

■ 16.0778, 0.3038,
0.3648

■ 12.8188, 0.2894,
0.5620

■ 16.9284, 0.3085,
0.3449

■ 17.8954, 0.3132,
0.3273

■ 18.9829, 0.3178,
0.3117

■ 20.1949, 0.3222,
0.2980

■ 21.5353, 0.3264,
0.2860

Harmonies

Analogous

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



13.7443, 0.3685, 0.4844



13.7443, 0.2887, 0.4633



13.7443, 0.2198, 0.3844

Triad

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



13.7443, 0.2887, 0.4633



13.7443, 0.1916, 0.2061



13.7443, 0.4668, 0.3327

Complementary

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



13.7443, 0.2887, 0.4633



6.7988, 0.3548, 0.2266

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.



13.7443, 0.4057, 0.2764



13.7443, 0.2887, 0.4633



13.7443, 0.2422, 0.2071

Square

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



13.7443, 0.2887, 0.4633



13.7443, 0.1705, 0.2336



13.7443, 0.3194, 0.2321



13.7443, 0.4767, 0.3934

Rectangle

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



13.7443, 0.2887, 0.4633



13.7443, 0.1890, 0.3227



13.7443, 0.3194, 0.2321



13.7443, 0.4514, 0.3131

Sweetspot

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



13.7449, 0.2887, 0.4633



28.8607, 0.3040, 0.3637



15.6314, 0.3681, 0.4747



6.5593, 0.3030, 0.3687



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.



13.7449, 0.2887, 0.4633



23.8032, 0.2867, 0.5004



14.2668, 0.2573, 0.3719



4.1124, 0.3085, 0.3451



14.1213, 0.2897, 0.5628



68.6927, 0.2920, 0.5713

Inverse Universe

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



6.7988, 0.3548, 0.2266



10.0737, 0.3686, 0.2094



6.2825, 0.4372, 0.2936



3.7424, 0.3172, 0.3134



4.9133, 0.3969, 0.1960



23.7971, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 13.7443, 0.2887, 0.4633 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 13.7443, 0.2887, 0.4633 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 13.7443, 0.2887, 0.4633

Background



This preview shows how black text looks on a background with the Yxy color 13.7443, 0.2887, 0.4633.



This preview shows how white text looks on a background with the Yxy color 13.7443, 0.2887, 0.4633.

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

13.7443, 0.2887, 0.4633

Protanopia

13.5481, 0.3856, 0.4179

Deuteranopia

13.5768, 0.3924, 0.3879



Tritanopia

13.7817, 0.2486, 0.3080

Trichromacy



Original Color

13.7443, 0.2887, 0.4633

Protanomaly

13.2079, 0.3426, 0.4360

Deuteranomaly

13.2245, 0.3467, 0.4149

Tritanomaly

13.6299, 0.2636, 0.3611

Monochromacy



Original Color

13.7443, 0.2887, 0.4633

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2194, 0.3006, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7443, 0.2887, 0.4633 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(48, 117, 66)` looks like.

```
.text, #text, p{  
    color:rgb(48, 117, 66)  
}
```

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(48, 117, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 117, 66) }
```

Border

The CSS property to change the border of an element to Yxy 13.7443, 0.2887, 0.4633 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(48, 117, 66) }
```

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

```
.border{ border-color:rgb(48, 117, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 117, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 117, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 117, 66);  
box-shadow:4px 4px 4px 4px rgb(48, 117,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7443, 0.2887, 0.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 117, 66) }
```

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

```
.background{ background-color: rgb(48, 117,  
66) }
```

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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