

Converting Colors

$Y_{xy}(13.5301, 0.3186, 0.4404)$

Have a look what the booklet for
Yxy(13.5301, 0.3186, 0.4404)
contains.

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Color

Yxy(13.5301, 0.3186, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	4C7043
RGB	76, 112, 67
RGB Percent	30%, 44%, 26%
CMY	0.7019, 0.5608, 0.7373
CMYK	0.32, 0.00, 0.40, 0.56
HSL	108°, 25%, 35%
HSV	108°, 40%, 44%
XYZ	9.7881, 13.5301, 7.4041
YIQ	96.1060, -7.0110, -21.6270

Conversions

Conversions Part 2

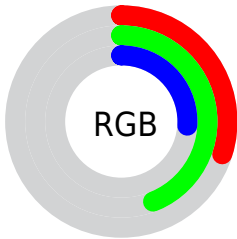
Format	Color
RYB	67, 112, 103
Decimal	5009475
CIELab	43.55, -22.32, 21.04
CIELCh	44, 30.677, 136.693
Yxy	13.5301, 0.3186, 0.4404
Android (android.graphics.Color)	4283199555 (0xFF4C7043)
YUV	96.1060, -14.3493, -17.6330
Hunter-Lab	36.7833, -16.8715, 13.8139

Details

The Yxy color **13.5301, 0.3186, 0.4404** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0654, 0.3013, 0.2310**, and the grayscale version is **11.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2475, 0.3180, 0.4097**, and **3.9899, 0.3144, 0.5029** is the 20% darker color. If you saturate the color by 10%, you get **13.0673, 0.3189, 0.4724**, and if you desaturate by 10%, it is **14.0711, 0.3177, 0.4093**.

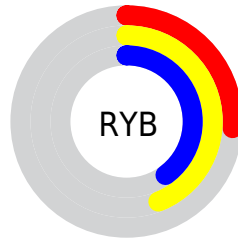
Distribution



Red (30%)

Green (44%)

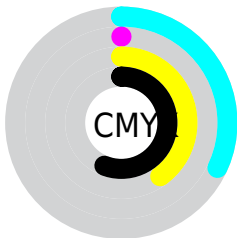
Blue (26%)



Red (26%)

Yellow (44%)

Blue (40%)

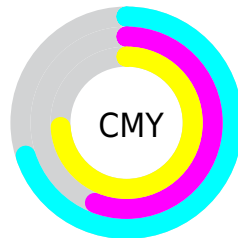


Cyan (32%)

Magenta (0%)

Yellow (40%)

Black (56%)



Cyan (70%)

Magenta (56%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5301, 0.3186, 0.4404 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 13.5301, 0.3186, 0.4404 by changing the saturation by 10% instead.

■ 13.5301, 0.3186,
0.4404

■ 13.5301, 0.3186,
0.4404

■ 214.2876, 0.3169,
0.3706

■ 7.7946, 0.3176,
0.4654

■ 32.2529, 0.3187,
0.4103

■ 3.9638, 0.3145,
0.5041

■ 46.0090, 0.3184,
0.4006

■ 1.6533, 0.3268,
0.6130

■ 63.2073, 0.3181,
0.3929

■ 0.3932, 0.0000,
1.0000

■ 84.2324, 0.3179,
0.3867

■ 0.0000, 0.0000,
0.0000

■ 109.4686, 0.3176,
0.3816

139.3003, 0.3173,

0.3773

174.1118, 0.3171,
0.3737

■ 13.5301, 0.3186,
0.4404

■ 13.5301, 0.3186,
0.4404

■ 13.0673, 0.3189,
0.4724

■ 14.0711, 0.3177,
0.4093

■ 12.6775, 0.3185,
0.5040

■ 14.6920, 0.3163,
0.3802

■ 12.3572, 0.3171,
0.5333


■ 15.3965, 0.3146,
0.3535


■ 12.1022, 0.3149,
0.5585


■ 16.1876, 0.3128,
0.3294

■ 11.9077, 0.3118,
0.5778


■ 17.0681, 0.3108,
0.3080

 11.7643, 0.3091,
0.5928

 18.0407, 0.3089,
0.2891

 19.1081, 0.3070,
0.2724

 20.2727, 0.3052,
0.2578

 21.5369, 0.3034,
0.2450

Harmonies

Analogous

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



13.5301, 0.3801, 0.4441



13.5301, 0.3186, 0.4404



13.5301, 0.2587, 0.3944

Triad

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



13.5301, 0.3186, 0.4404



13.5301, 0.2074, 0.2372



13.5301, 0.4180, 0.3177

Complementary

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



13.5301, 0.3186, 0.4404



8.0654, 0.3013, 0.2310

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.



13.5301, 0.3621, 0.2739



13.5301, 0.3186, 0.4404



13.5301, 0.2408, 0.2289

Square

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



13.5301, 0.3186, 0.4404



13.5301, 0.1987, 0.2703



13.5301, 0.2959, 0.2424



13.5301, 0.4417, 0.3669

Rectangle

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



13.5301, 0.3186, 0.4404



13.5301, 0.2277, 0.3500



13.5301, 0.2959, 0.2424



13.5301, 0.4021, 0.3021

Sweetspot

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



13.5307, 0.3186, 0.4404



26.7716, 0.3150, 0.3589



13.4017, 0.3766, 0.4048



6.4034, 0.3151, 0.3614



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5307, 0.3186, 0.4404



23.0258, 0.3189, 0.4694



13.3569, 0.2936, 0.4107



3.7925, 0.3144, 0.3505



13.5913, 0.3087, 0.5931



67.4031, 0.3061, 0.5952

Inverse Universe

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



8.0654, 0.3013, 0.2310



12.0213, 0.2977, 0.2091



8.3635, 0.3399, 0.2596



3.4214, 0.3108, 0.3081



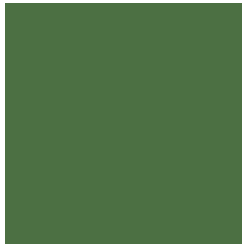
3.8300, 0.2725, 0.1275



18.7126, 0.2697, 0.1260

Previews

White Background



This preview shows how the Yxy color 13.5301, 0.3186, 0.4404 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 13.5301, 0.3186, 0.4404 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 13.5301, 0.3186, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 13.5301, 0.3186, 0.4404.



This preview shows how white text looks on a background with the Yxy color 13.5301, 0.3186, 0.4404.

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

13.5301, 0.3186, 0.4404

Protanopia

13.5041, 0.3814, 0.4144

Deuteranopia

13.3885, 0.3932, 0.3860



Tritanopia

13.4307, 0.2735, 0.3086

Trichromacy



Original Color

13.5301, 0.3186, 0.4404

Protanomaly

13.3309, 0.3576, 0.4247

Deuteranomaly

13.1943, 0.3639, 0.4046

Tritanomaly

13.3563, 0.2894, 0.3527

Monochromacy



Original Color

13.5301, 0.3186, 0.4404

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.2825, 0.3166, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5301, 0.3186, 0.4404 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(76, 112, 67)` looks like.

```
.text, #text, p{  
    color:rgb(76, 112, 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(76, 112, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 112, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.5301, 0.3186, 0.4404 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(76, 112, 67) }
```

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

```
.border{ border-color:rgb(76, 112, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 112, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 112, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 112, 67);  
box-shadow:4px 4px 4px 4px rgb(76, 112,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5301, 0.3186, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 112, 67) }
```

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

```
.background{ background-color: rgb(76, 112,  
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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