

Converting Colors

$Y_{xy}(12.5454, 0.3133, 0.4522)$

Have a look what the booklet for
Yxy(12.5454, 0.3133, 0.4522)
contains.

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Color

$Y_{xy}(12.4784, 0.3130, 0.4514)$

Conversions

Conversions Part 1

Format	Color
Hex	436D3E
RGB	67, 109, 62
RGB Percent	26%, 43%, 24%
CMY	0.7373, 0.5725, 0.7568
CMYK	0.39, 0.00, 0.43, 0.57
HSL	114°, 27%, 34%
HSV	114°, 43%, 43%
XYZ	8.6525, 12.4784, 6.5129
YIQ	91.0840, -9.9450, -23.5210

Conversions

Conversions Part 2

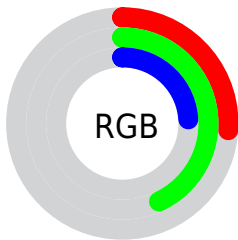
Format	Color
R_{YB}	62, 109, 104
Decimal	4418878
CIE _{Lab}	41.97, -24.93, 21.73
CIE _{LCh}	42, 33.069, 138.930
Y _{xy}	12.4784, 0.3130, 0.4514
Android (android.graphics.Color)	4282608958 (0xFF436D3E)
YUV	91.0840, -14.3384, -21.1217
Hunter-Lab	35.3248, -18.0963, 13.7960

Details

The Yxy color **12.4784, 0.3130, 0.4514** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.4974, 0.3083, 0.2267**, and the grayscale version is **10.5167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3974, 0.3149, 0.4181**, and **3.5098, 0.3035, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **12.0550, 0.3122, 0.4844**, and if you desaturate by 10%, it is **12.9849, 0.3134, 0.4192**.

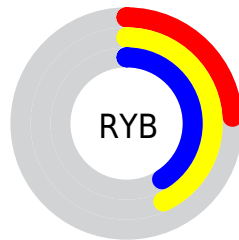
Distribution



Red (26%)

Green (43%)

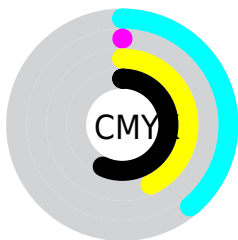
Blue (24%)



Red (24%)

Yellow (43%)

Blue (41%)

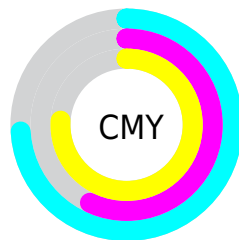


Cyan (39%)

Magenta (0%)

Yellow (43%)

Black (57%)



Cyan (74%)


Magenta (57%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4784, 0.3130, 0.4514 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 12.4784, 0.3130, 0.4514 by changing the saturation by 10% instead.


 12.4784, 0.3130,
0.4514


 12.4784, 0.3130,
0.4514


207.5472, 0.3150,
0.3736


 7.0704, 0.3104,
0.4801


 30.3635, 0.3148,
0.4174


 3.5061, 0.3041,
0.5253

 43.6093, 0.3151,
0.4065


 1.4013, 0.3170,
0.6830

 60.2365, 0.3152,
0.3980

 0.2177, 0.0000,
1.0000

 80.6295, 0.3152,
0.3912

 0.0000, 0.0000,
0.0000

 105.1727, 0.3152,
0.3856

 134.2504, 0.3152,

0.3809

168.2471, 0.3151,
0.3770

■ 12.4784, 0.3130,
0.4514

■ 12.4784, 0.3130,
0.4514

■ 12.0550, 0.3122,
0.4844

■ 12.9849, 0.3134,
0.4192

■ 11.7088, 0.3109,
0.5164

■ 13.5769, 0.3135,
0.3888

■ 11.4356, 0.3092,
0.5454


■ 14.2587, 0.3133,
0.3611

■ 11.2299, 0.3072,
0.5692

■ 15.0339, 0.3129,
0.3361

■ 11.0856, 0.3050,
0.5865


■ 15.9058, 0.3123,
0.3141

 11.0129, 0.3042,
0.5967

 16.8776, 0.3118,
0.2947

 17.9524, 0.3111,
0.2778

 19.1329, 0.3105,
0.2630

 20.4221, 0.3098,
0.2502

Harmonies

Analogous

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



12.4784, 0.3811, 0.4574



12.4784, 0.3130, 0.4514



12.4784, 0.2484, 0.3968

Triad

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



12.4784, 0.3130, 0.4514



12.4784, 0.1995, 0.2267



12.4784, 0.4328, 0.3196

Complementary

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



12.4784, 0.3130, 0.4514



7.4974, 0.3083, 0.2267

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.



12.4784, 0.3725, 0.2717



12.4784, 0.3130, 0.4514



12.4784, 0.2374, 0.2201

Square

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



12.4784, 0.3130, 0.4514



12.4784, 0.1880, 0.2599



12.4784, 0.2990, 0.2365



12.4784, 0.4553, 0.3730

Rectangle

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



12.4784, 0.3130, 0.4514



12.4784, 0.2160, 0.3461



12.4784, 0.2990, 0.2365



12.4784, 0.4159, 0.3027

Sweetspot

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



12.4789, 0.3130, 0.4514



25.4967, 0.3133, 0.3618



13.4044, 0.3775, 0.4189



5.8814, 0.3133, 0.3664



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.4789, 0.3130, 0.4514



21.5614, 0.3122, 0.4855



12.5427, 0.2873, 0.4047



3.4587, 0.3131, 0.3504



12.8736, 0.3039, 0.5969



65.4016, 0.3021, 0.5984

Inverse Universe

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



7.4974, 0.3083, 0.2267



11.3248, 0.3065, 0.2039



7.4543, 0.3519, 0.2645



3.1485, 0.3122, 0.3084



4.2893, 0.2955, 0.1401



21.6317, 0.2940, 0.1393

Previews

White Background



This preview shows how the Yxy color 12.4784, 0.3130, 0.4514 looks on a white background.

Color Contrast Check

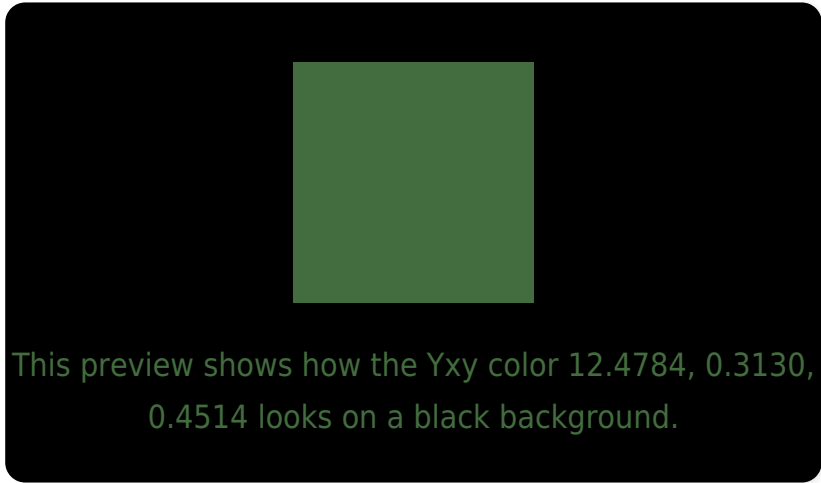
Large Text (above 18pt) WCAG AA ✓ Pass

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

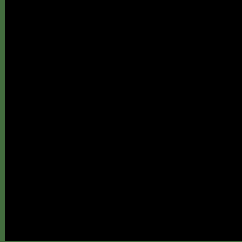
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4784, 0.3130, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 12.4784, 0.3130, 0.4514.



This preview shows how white text looks on a background with the Yxy color 12.4784, 0.3130, 0.4514.

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

12.4784, 0.3130, 0.4514

Protanopia

12.4173, 0.3851, 0.4191

Deuteranopia

12.2386, 0.3961, 0.3901



Tritanopia

12.4068, 0.2668, 0.3077

Trichromacy



Original Color

12.4784, 0.3130, 0.4514

Protanomaly

12.3434, 0.3565, 0.4334

Deuteranomaly

11.9465, 0.3622, 0.4108

Tritanomaly

12.3278, 0.2838, 0.3563

Monochromacy



Original Color

12.4784, 0.3130, 0.4514

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1084, 0.3135, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4784, 0.3130, 0.4514 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(67, 109, 62)` looks like.

```
.text, #text, p{  
    color:rgb(67, 109, 62)  
}
```

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(67, 109, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 109, 62) }
```

Border

The CSS property to change the border of an element to Yxy 12.4784, 0.3130, 0.4514 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(67, 109, 62) }
```

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

```
.border{ border-color:rgb(67, 109, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 109, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 109, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 109, 62);  
box-shadow:4px 4px 4px 4px rgb(67, 109,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4784, 0.3130, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 109, 62) }
```

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

```
.background{ background-color: rgb(67, 109,  
62) }
```

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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