

Converting Colors

$Y_{xy}(14.7381, 0.3078, 0.4342)$

Have a look what the booklet for
Yxy(14.7381, 0.3078, 0.4342)
contains.

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Color

Yxy(14.6728, 0.3078, 0.4334)

Conversions

Conversions Part 1

Format	Color
Hex	4A754A
RGB	74, 117, 74
RGB Percent	29%, 46%, 29%
CMY	0.7099, 0.5412, 0.7098
CMYK	0.37, 0.00, 0.37, 0.54
HSL	120°, 23%, 37%
HSV	120°, 37%, 46%
XYZ	10.4206, 14.6728, 8.7617
YIQ	99.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

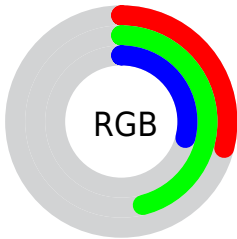
Format	Color
R_{YB}	74, 117, 117
Decimal	4879690
CIE _{Lab}	45.18, -24.41, 19.14
CIE _{LCh}	45, 31.022, 141.899
Yxy	14.6728, 0.3078, 0.4334
Android (android.graphics.Color)	4283069770 (0xFF4A754A)
YUV	99.2410, -12.4438, -22.1364
Hunter-Lab	38.3051, -18.4744, 13.2519

Details

The Yxy color **14.6728, 0.3078, 0.4334** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9621, 0.3168, 0.2429**, and the grayscale version is **12.5752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0911, 0.3100, 0.4053**, and **4.4426, 0.3005, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **14.1082, 0.3062, 0.4673**, and if you desaturate by 10%, it is **15.3543, 0.3093, 0.4012**.

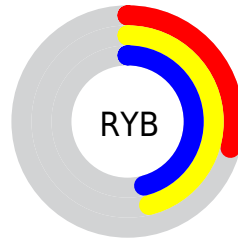
Distribution



Red (29%)

Green (46%)

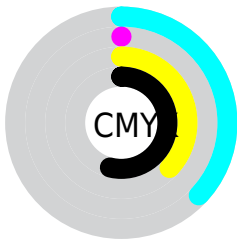
Blue (29%)



Red (29%)

Yellow (46%)

Blue (46%)

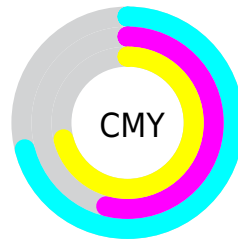


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (54%)



Cyan (71%)

Magenta (54%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6728, 0.3078, 0.4334 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 14.6728, 0.3078, 0.4334 by changing the saturation by 10% instead.


 14.6728, 0.3078,
0.4334


 14.6728, 0.3078,
0.4334


221.3771, 0.3123,
0.3685


 8.5901, 0.3051,
0.4563


 34.2781, 0.3103,
0.4056


 4.4748, 0.2998,
0.4916

 48.5696, 0.3110,
0.3966


 1.9425, 0.2936,
0.5637

 66.3660, 0.3114,
0.3894

 0.5738, 0.0000,
1.0000

 88.0518, 0.3117,
0.3836

 0.0000, 0.0000,
0.0000

 114.0114, 0.3119,
0.3789

144.6293, 0.3121,

0.3749

180.2897, 0.3122,
0.3714

■ 14.6728, 0.3078,
0.4334

■ 14.6728, 0.3078,
0.4334

■ 14.1082, 0.3062,
0.4673

■ 15.3543, 0.3093,
0.4012

■ 13.6523, 0.3046,
0.5013

■ 16.1568, 0.3107,
0.3716

■ 13.2987, 0.3031,
0.5333

■ 17.0866, 0.3120,
0.3451


■ 13.0393, 0.3018,
0.5607

■ 18.1486, 0.3131,
0.3218


■ 12.8653, 0.3009,
0.5815

■ 19.3479, 0.3140,
0.3015

 12.7564, 0.3002,
0.5955

 20.6892, 0.3148,
0.2839

 12.7237, 0.3000,
0.6000

 22.1767, 0.3156,
0.2687

 23.8148, 0.3162,
0.2557

 25.6076, 0.3167,
0.2444

Harmonies

Analogous

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



14.6728, 0.3693, 0.4446



14.6728, 0.3078, 0.4334



14.6728, 0.2507, 0.3825

Triad

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



14.6728, 0.3078, 0.4334



14.6728, 0.2128, 0.2354



14.6728, 0.4231, 0.3262

Complementary

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



14.6728, 0.3078, 0.4334



9.9621, 0.3168, 0.2429

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.



14.6728, 0.3723, 0.2815



14.6728, 0.3078, 0.4334



14.6728, 0.2499, 0.2311

Square

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



14.6728, 0.3078, 0.4334



14.6728, 0.2000, 0.2638



14.6728, 0.3072, 0.2478



14.6728, 0.4397, 0.3749

Rectangle

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



14.6728, 0.3078, 0.4334



14.6728, 0.2227, 0.3381



14.6728, 0.3072, 0.2478



14.6728, 0.4092, 0.3105

Sweetspot

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



14.6734, 0.3078, 0.4334



29.8135, 0.3114, 0.3567



17.0001, 0.3651, 0.4156



6.8156, 0.3113, 0.3594



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.



14.6734, 0.3078, 0.4334



25.4129, 0.3065, 0.4617



15.0142, 0.2851, 0.3798



4.0982, 0.3117, 0.3509



14.0176, 0.3000, 0.6000



68.3093, 0.3000, 0.6000

Inverse Universe

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



9.9621, 0.3168, 0.2429



15.6760, 0.3177, 0.2244



9.5133, 0.3540, 0.2836



3.7579, 0.3137, 0.3081



5.5808, 0.3210, 0.1542



27.1957, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 14.6728, 0.3078, 0.4334 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 14.6728, 0.3078, 0.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

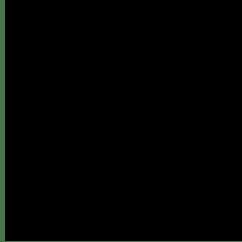
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6728, 0.3078, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 14.6728, 0.3078, 0.4334.



This preview shows how white text looks on a background with the Yxy color 14.6728, 0.3078, 0.4334.

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

14.6728, 0.3078, 0.4334

Protanopia

14.4633, 0.3760, 0.4040

Deuteranopia

14.4742, 0.3846, 0.3788



Tritanopia

14.5639, 0.2683, 0.3091

Trichromacy



Original Color

14.6728, 0.3078, 0.4334

Protanomaly

14.3735, 0.3496, 0.4160

Deuteranomaly

14.1630, 0.3537, 0.3968

Tritanomaly

14.4950, 0.2832, 0.3521

Monochromacy



Original Color

14.6728, 0.3078, 0.4334

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2199, 0.3110, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6728, 0.3078, 0.4334 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(74, 117, 74)` looks like.

```
.text, #text, p{  
  color:rgb(74, 117, 74)  
}
```

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(74, 117, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 74) }
```

Border

The CSS property to change the border of an element to Yxy 14.6728, 0.3078, 0.4334 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(74, 117, 74) }
```

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

```
.border{ border-color:rgb(74, 117, 74) }
```

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

Here you see how a box with a 4 pixel rgb(74, 117, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6728, 0.3078, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 74) }
```

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

```
.background{ background-color: rgb(74, 117,  
74) }
```

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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