

Converting Colors

$Y_{xy}(17.2677, 0.3074, 0.4428)$

Have a look what the booklet for
Yxy(17.2677, 0.3074, 0.4428)
contains.

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Color

Yxy(17.2923, 0.3074, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	4D7F4D
RGB	77, 127, 77
RGB Percent	30%, 50%, 30%
CMY	0.6979, 0.5020, 0.6981
CMYK	0.39, 0.00, 0.39, 0.50
HSL	120°, 25%, 40%
HSV	120°, 39%, 50%
XYZ	11.9911, 17.2923, 9.7247
YIQ	106.3500, -13.7500, -26.1500

Conversions

Conversions Part 2

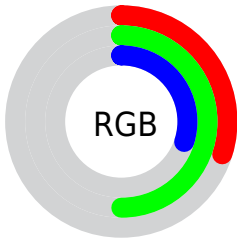
Format	Color
RYB	77, 127, 127
Decimal	5078861
CIELab	48.63, -27.79, 22.02
CIELCh	49, 35.460, 141.602
Yxy	17.2923, 0.3074, 0.4433
Android (android.graphics.Color)	4283268941 (0xFF4D7F4D)
YUV	106.3500, -14.4695, -25.7399
Hunter-Lab	41.5840, -21.3001, 15.2434

Details

The Yxy color **17.2923, 0.3074, 0.4433** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3470, 0.3170, 0.2362**, and the grayscale version is **14.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7640, 0.3096, 0.4131**, and **5.6451, 0.2982, 0.5000** is the 20% darker color. If you saturate the color by 10%, you get **16.6532, 0.3058, 0.4777**, and if you desaturate by 10%, it is **18.0708, 0.3089, 0.4102**.

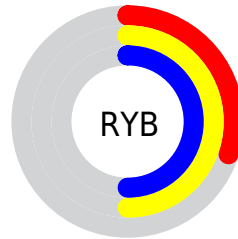
Distribution



Red (30%)

Green (50%)

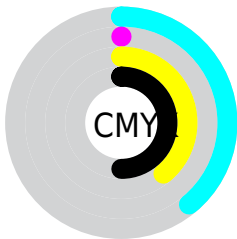
Blue (30%)



Red (30%)

Yellow (50%)

Blue (50%)

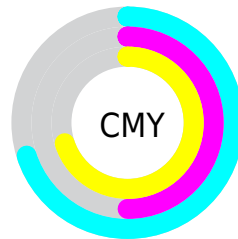


Cyan (39%)

Magenta (0%)

Yellow (39%)

Black (50%)



Cyan (70%)


Magenta (50%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2923, 0.3074, 0.4433 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 17.2923, 0.3074, 0.4433 by changing the saturation by 10% instead.

 17.2923, 0.3074,
0.4433


 17.2923, 0.3074,
0.4433

236.8512, 0.3124,
0.3735


 10.4431, 0.3045,
0.4669


 38.8277, 0.3102,
0.4139


 5.6937, 0.2989,
0.5022

 54.2826, 0.3109,
0.4042


 2.6598, 0.2882,
0.5626

 73.3750, 0.3114,
0.3965

 0.9568, 0.1933,
0.8067

 96.4891, 0.3117,
0.3902

 0.0000, 0.0000,
0.0000

 124.0094, 0.3120,
0.3850

156.3202, 0.3122,

0.3806

193.8061, 0.3123,
0.3768

■ 17.2923, 0.3074,
0.4433

■ 17.2923, 0.3074,
0.4433

■ 16.6532, 0.3058,
0.4777

■ 18.0708, 0.3089,
0.4102

■ 16.1434, 0.3042,
0.5116

■ 18.9941, 0.3104,
0.3795

■ 15.7546, 0.3027,
0.5427


■ 20.0696, 0.3117,
0.3519

■ 15.4769, 0.3015,
0.5684


■ 21.3039, 0.3128,
0.3276


■ 15.2986, 0.3007,
0.5867


■ 22.7030, 0.3138,
0.3063


 15.1857, 0.3001,
0.5992

 24.2727, 0.3146,
0.2879

 15.1789, 0.3000,
0.6000

 26.0185, 0.3153,
0.2721

 27.9455, 0.3160,
0.2584

 30.0588, 0.3165,
0.2467

Harmonies

Analogous

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



17.2923, 0.3736, 0.4539



17.2923, 0.3074, 0.4433



17.2923, 0.2461, 0.3878

Triad

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



17.2923, 0.3074, 0.4433



17.2923, 0.2054, 0.2287



17.2923, 0.4318, 0.3248

Complementary

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



17.2923, 0.3074, 0.4433



11.3470, 0.3170, 0.2362

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.



17.2923, 0.3764, 0.2774



17.2923, 0.3074, 0.4433



17.2923, 0.2445, 0.2242

Square

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



17.2923, 0.3074, 0.4433



17.2923, 0.1920, 0.2587



17.2923, 0.3058, 0.2418



17.2923, 0.4499, 0.3767

Rectangle

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



17.2923, 0.3074, 0.4433



17.2923, 0.2161, 0.3391



17.2923, 0.3058, 0.2418



17.2923, 0.4167, 0.3082

Sweetspot

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



17.2930, 0.3074, 0.4433



35.3524, 0.3113, 0.3596



20.0113, 0.3696, 0.4209



8.2290, 0.3112, 0.3625



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.2930, 0.3074, 0.4433



29.9543, 0.3060, 0.4734



17.6983, 0.2840, 0.3865



4.8189, 0.3117, 0.3512



15.3089, 0.3000, 0.6000



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3470, 0.3170, 0.2362



17.7711, 0.3179, 0.2173



10.7940, 0.3570, 0.2783



4.4122, 0.3137, 0.3077



6.0873, 0.3207, 0.1540



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2923, 0.3074, 0.4433 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 17.2923, 0.3074, 0.4433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

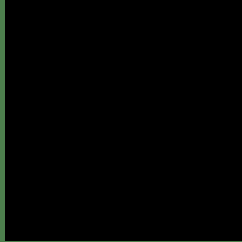
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2923, 0.3074, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 17.2923, 0.3074, 0.4433.



This preview shows how white text looks on a background with the Yxy color 17.2923, 0.3074, 0.4433.

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

17.2923, 0.3074, 0.4433

Protanopia

17.0893, 0.3802, 0.4123

Deuteranopia

17.0643, 0.3896, 0.3826



Tritanopia

17.3127, 0.2652, 0.3103

Trichromacy



Original Color

17.2923, 0.3074, 0.4433

Protanomaly

16.8762, 0.3514, 0.4231

Deuteranomaly

16.7148, 0.3556, 0.4026

Tritanomaly

17.1526, 0.2799, 0.3551

Monochromacy



Original Color

17.2923, 0.3074, 0.4433

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.2937, 0.3107, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2923, 0.3074, 0.4433 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(77, 127, 77)` looks like.

```
.text, #text, p{  
    color:rgb(77, 127, 77)  
}
```

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(77, 127, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 127, 77) }
```

Border

The CSS property to change the border of an element to Yxy 17.2923, 0.3074, 0.4433 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(77, 127, 77) }
```

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

```
.border{ border-color:rgb(77, 127, 77) }
```

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

Here you see how a box with a 4 pixel rgb(77, 127, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 127, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 127, 77);  
box-shadow:4px 4px 4px 4px rgb(77, 127,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2923, 0.3074, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 127, 77) }
```

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

```
.background{ background-color: rgb(77, 127,  
77) }
```

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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