

Converting Colors

$Y_{xy}(15.4643, 0.3086, 0.4080)$

Have a look what the booklet for
Yxy(15.4643, 0.3086, 0.4080)
contains.

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Color

Yxy(15.4818, 0.3090, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	547654
RGB	84, 118, 84
RGB Percent	33%, 46%, 33%
CMY	0.6707, 0.5372, 0.6706
CMYK	0.29, 0.00, 0.29, 0.54
HSL	120°, 17%, 40%
HSV	120°, 29%, 46%
XYZ	11.7338, 15.4818, 10.7579
YIQ	103.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

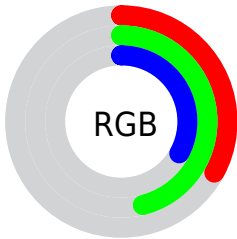
Format	Color
R_{YB}	84, 118, 118
Decimal	5535316
CIE _{Lab}	46.29, -19.51, 14.93
CIE _{LCh}	46, 24.572, 142.578
Yxy	15.4818, 0.3090, 0.4077
Android (android.graphics.Color)	4283725396 (0xFF547654)
YUV	103.9580, -9.8393, -17.5032
Hunter-Lab	39.3469, -15.6259, 11.3323

Details

The Yxy color **15.4818, 0.3090, 0.4077** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.4978, 0.3159, 0.2611**, and the grayscale version is **13.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5390, 0.3100, 0.3865**, and **4.7960, 0.3037, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **14.8136, 0.3075, 0.4404**, and if you desaturate by 10%, it is **16.2742, 0.3104, 0.3775**.

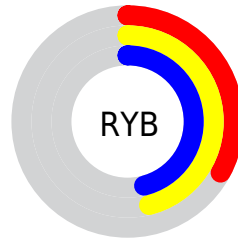
Distribution



Red (33%)

Green (46%)

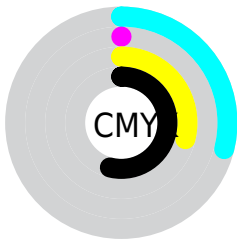
Blue (33%)



Red (33%)

Yellow (46%)

Blue (46%)

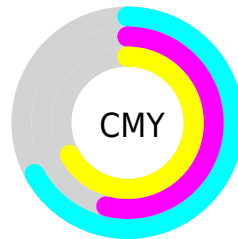


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4818, 0.3090, 0.4077 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 15.4818, 0.3090, 0.4077 by changing the saturation by 10% instead.


 15.4818, 0.3090,
0.4077


 15.4818, 0.3090,
0.4077


226.2642, 0.3121,
0.3595


 9.1582, 0.3073,
0.4243


 35.6962, 0.3106,
0.3873


 4.8445, 0.3042,
0.4496

 50.3558, 0.3111,
0.3806


 2.1563, 0.2975,
0.4925

 68.5629, 0.3114,
0.3753

 0.6960, 0.2101,
0.7899

 90.7019, 0.3116,
0.3709

 0.0000, 0.0000,
0.0000

 117.1571, 0.3118,
0.3673

148.3129, 0.3119,

0.3643

184.5538, 0.3120,
0.3617

■ 15.4818, 0.3090,
0.4077

■ 15.4818, 0.3090,
0.4077

■ 14.8136, 0.3075,
0.4404

■ 16.2742, 0.3104,
0.3775

■ 14.2615, 0.3059,
0.4745

■ 17.1944, 0.3117,
0.3503

■ 13.8194, 0.3043,
0.5083

■ 18.2487, 0.3128,
0.3264

■ 13.4800, 0.3028,
0.5395

■ 19.4420, 0.3138,
0.3054

■ 13.2350, 0.3016,
0.5657

■ 20.7790, 0.3147,
0.2873

■ 13.0749, 0.3007,
0.5849

■ 22.2645, 0.3154,
0.2717

■ 12.9703, 0.3001,
0.5983

■ 23.9027, 0.3161,
0.2582

■ 12.9584, 0.3000,
0.5999

■ 25.6978, 0.3166,
0.2466

■ 27.6539, 0.3171,
0.2365

Harmonies

Analogous

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



15.4818, 0.3575, 0.4188



15.4818, 0.3090, 0.4077



15.4818, 0.2637, 0.3691

Triad

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



15.4818, 0.3090, 0.4077



15.4818, 0.2335, 0.2546



15.4818, 0.3990, 0.3291

Complementary

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



15.4818, 0.3090, 0.4077



11.4978, 0.3159, 0.2611

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.



15.4818, 0.3605, 0.2923



15.4818, 0.3090, 0.4077



15.4818, 0.2643, 0.2507

Square

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



15.4818, 0.3090, 0.4077



15.4818, 0.2225, 0.2780



15.4818, 0.3102, 0.2644



15.4818, 0.4119, 0.3684

Rectangle

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



15.4818, 0.3090, 0.4077



15.4818, 0.2411, 0.3358



15.4818, 0.3102, 0.2644



15.4818, 0.3885, 0.3162

Sweetspot

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



15.4825, 0.3090, 0.4077



30.1623, 0.3117, 0.3514



17.4500, 0.3540, 0.3972



6.8885, 0.3115, 0.3544



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.



15.4825, 0.3090, 0.4077



26.3706, 0.3079, 0.4305



15.7818, 0.2905, 0.3673



4.0982, 0.3117, 0.3509



14.0177, 0.3000, 0.5999



68.3094, 0.3000, 0.6000

Inverse Universe

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



11.4978, 0.3159, 0.2611



18.0804, 0.3167, 0.2448



11.1296, 0.3428, 0.2937



3.7579, 0.3137, 0.3081



5.5801, 0.3211, 0.1542



27.1923, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 15.4818, 0.3090, 0.4077 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 15.4818, 0.3090, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

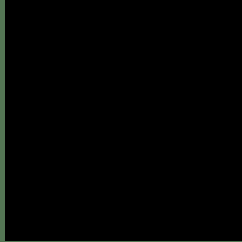
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4818, 0.3090, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 15.4818, 0.3090, 0.4077.



This preview shows how white text looks on a background with the Yxy color 15.4818, 0.3090, 0.4077.

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

15.4818, 0.3090, 0.4077

Protanopia

15.2984, 0.3623, 0.3889

Deuteranopia

15.3033, 0.3698, 0.3645



Tritanopia

15.4395, 0.2755, 0.3098

Trichromacy



Original Color

15.4818, 0.3090, 0.4077

Protanomaly

15.1857, 0.3420, 0.3963

Deuteranomaly

15.2033, 0.3451, 0.3798

Tritanomaly

15.4189, 0.2873, 0.3444

Monochromacy



Original Color

15.4818, 0.3090, 0.4077

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.3417, 0.3115, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4818, 0.3090, 0.4077 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(84, 118, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 118, 84)  
}
```

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(84, 118, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 118, 84) }
```

Border

The CSS property to change the border of an element to Yxy 15.4818, 0.3090, 0.4077 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(84, 118, 84) }
```

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

```
.border{ border-color:rgb(84, 118, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 118, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 118, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 118, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 118,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4818, 0.3090, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 118, 84) }
```

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

```
.background{ background-color: rgb(84, 118,  
84) }
```

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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