

Converting Colors

$Y_{xy}(15.0929, 0.3079, 0.3788)$

Have a look what the booklet for
Yxy(15.0929, 0.3079, 0.3788)
contains.

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Color

Yxy(14.9810, 0.3078, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	5A725C
RGB	90, 114, 92
RGB Percent	35%, 45%, 36%
CMY	0.6471, 0.5529, 0.6393
CMYK	0.21, 0.00, 0.19, 0.55
HSL	125°, 12%, 40%
HSV	125°, 21%, 45%
XYZ	12.1634, 14.9810, 12.3729
YIQ	104.3160, -7.2420, -11.9300

Conversions

Conversions Part 2

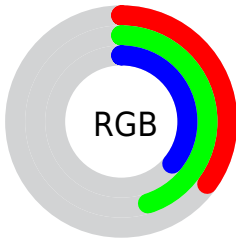
Format	Color
R _Y B	90, 112, 114
Decimal	5927516
CIE Lab	45.61, -13.59, 9.35
CIE LCh	46, 16.492, 145.468
Yxy	14.9810, 0.3078, 0.3791
Android (android.graphics.Color)	4284117596 (0xFF5A725C)
YUV	104.3160, -6.0718, -12.5551
Hunter-Lab	38.7053, -11.6394, 8.1406

Details

The Yxy color **14.9810, 0.3078, 0.3791** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0563, 0.3180, 0.2836**, and the grayscale version is **13.9496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8009, 0.3091, 0.3667**, and **4.6292, 0.3052, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **14.2830, 0.3054, 0.4072**, and if you desaturate by 10%, it is **15.7932, 0.3102, 0.3538**.

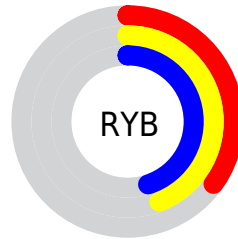
Distribution



Red (35%)

Green (45%)

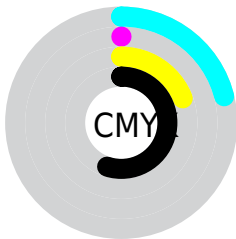
Blue (36%)



Red (35%)

Yellow (44%)

Blue (45%)

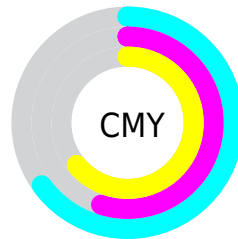


Cyan (21%)

Magenta (0%)

Yellow (19%)

Black (55%)



Cyan (65%)


Magenta (55%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9810, 0.3078, 0.3791 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 14.9810, 0.3078, 0.3791 by changing the saturation by 10% instead.


 14.9810, 0.3078,
0.3791


 14.9810, 0.3078,
0.3791


223.2512, 0.3111,
0.3486


 8.8061, 0.3065,
0.3895


 34.8198, 0.3093,
0.3662


 4.6149, 0.3042,
0.4054

 49.2525, 0.3098,
0.3620


 2.0231, 0.2999,
0.4324

 67.2066, 0.3101,
0.3586

 0.6209, 0.2866,
0.6885

 89.0664, 0.3104,
0.3559

 0.0000, 0.0000,
0.0000

 115.2164, 0.3106,
0.3536

146.0409, 0.3108,

0.3517

181.9244, 0.3110,
0.3500

■ 14.9810, 0.3078,
0.3791

■ 14.9810, 0.3078,
0.3791

■ 14.2830, 0.3054,
0.4072

■ 15.7932, 0.3102,
0.3538

■ 13.6923, 0.3031,
0.4375

■ 16.7223, 0.3125,
0.3313

■ 13.2040, 0.3010,
0.4692

■ 17.7734, 0.3146,
0.3115

■ 12.8124, 0.2992,
0.5010

■ 18.9508, 0.3166,
0.2943

■ 12.5110, 0.2980,
0.5309

■ 20.2584, 0.3185,
0.2793

■ 12.2926, 0.2975,
0.5571

■ 21.7001, 0.3202,
0.2664

■ 12.1488, 0.2977,
0.5775

■ 23.2794, 0.3217,
0.2552

■ 12.0575, 0.2974,
0.5908

■ 25.0000, 0.3231,
0.2455

■ 26.8653, 0.3244,
0.2370

Harmonies

Analogous

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



14.9810, 0.3412, 0.3893



14.9810, 0.3078, 0.3791



14.9810, 0.2769, 0.3529

Triad

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



14.9810, 0.3078, 0.3791



14.9810, 0.2592, 0.2768



14.9810, 0.3726, 0.3328

Complementary

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



14.9810, 0.3078, 0.3791



12.0563, 0.3180, 0.2836

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.



14.9810, 0.3483, 0.3060



14.9810, 0.3078, 0.3791



14.9810, 0.2824, 0.2745

Square

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



14.9810, 0.3078, 0.3791



14.9810, 0.2499, 0.2927



14.9810, 0.3148, 0.2852



14.9810, 0.3798, 0.3602

Rectangle

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



14.9810, 0.3078, 0.3791



14.9810, 0.2616, 0.3312



14.9810, 0.3148, 0.2852



14.9810, 0.3661, 0.3236

Sweetspot

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



14.9816, 0.3078, 0.3791



28.5263, 0.3113, 0.3423



16.2195, 0.3399, 0.3790



6.5801, 0.3112, 0.3434



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.



14.9816, 0.3078, 0.3791



25.7384, 0.3067, 0.3916



15.2085, 0.2940, 0.3512



3.7673, 0.3107, 0.3488



13.4189, 0.2976, 0.5913



66.7888, 0.2988, 0.5957

Inverse Universe

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



12.0563, 0.3180, 0.2836



19.6775, 0.3192, 0.2735



11.8064, 0.3362, 0.3078



3.4489, 0.3148, 0.3100



5.1043, 0.3423, 0.1659



25.3647, 0.3436, 0.1666

Previews

White Background



This preview shows how the Yxy color 14.9810, 0.3078, 0.3791 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 14.9810, 0.3078, 0.3791 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 14.9810, 0.3078, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 14.9810, 0.3078, 0.3791.



This preview shows how white text looks on a background with the Yxy color 14.9810, 0.3078, 0.3791.

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

14.9810, 0.3078, 0.3791

Protanopia

14.8141, 0.3467, 0.3668

Deuteranopia

14.9197, 0.3543, 0.3492



Tritanopia

14.9167, 0.2829, 0.3098

Trichromacy



Original Color

14.9810, 0.3078, 0.3791

Protanomaly

14.8933, 0.3313, 0.3724

Deuteranomaly

14.8949, 0.3365, 0.3608

Tritanomaly

14.8002, 0.2919, 0.3333

Monochromacy



Original Color

14.9810, 0.3078, 0.3791

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2979, 0.3105, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9810, 0.3078, 0.3791 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 $rgb(90, 114, 92)$ looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 92)  
}
```

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(90, 114, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 92) }
```

Border

The CSS property to change the border of an element to Yxy 14.9810, 0.3078, 0.3791 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(90, 114, 92) }
```

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

```
.border{ border-color:rgb(90, 114, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 114, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 92);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9810, 0.3078, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 92) }
```

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

```
.background{ background-color: rgb(90, 114,  
92) }
```

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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