

Converting Colors

$Y_{xy}(15.8418, 0.3174, 0.4283)$

Have a look what the booklet for
Yxy(15.8418, 0.3174, 0.4283)
contains.

Yxy(15.9001, 0.3175, 0.4278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(15.9001, 0.3175, 0.4278)$

Conversions

Conversions Part 1

Format	Color
Hex	55784D
RGB	85, 120, 77
RGB Percent	33%, 47%, 30%
CMY	0.6668, 0.5294, 0.6981
CMYK	0.29, 0.00, 0.36, 0.53
HSL	109°, 22%, 39%
HSV	109°, 36%, 47%
XYZ	11.8006, 15.9001, 9.4665
YIQ	104.6330, -7.0570, -20.7930

Conversions

Conversions Part 2

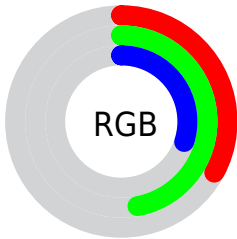
Format	Color
RYB	77, 120, 112
Decimal	5601357
CIELab	46.84, -21.44, 19.75
CIELCh	47, 29.150, 137.351
Yxy	15.9001, 0.3175, 0.4278
Android (android.graphics.Color)	4283791437 (0xFF55784D)
YUV	104.6330, -13.6231, -17.2181
Hunter-Lab	39.8749, -16.9559, 13.8368

Details

The Yxy color **15.9001, 0.3175, 0.4278** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1090, 0.3039, 0.2413**, and the grayscale version is **14.0601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2456, 0.3181, 0.4021**, and **5.0228, 0.3156, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **15.3205, 0.3179, 0.4600**, and if you desaturate by 10%, it is **16.5755, 0.3166, 0.3971**.

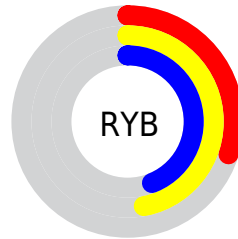
Distribution



Red (33%)

Green (47%)

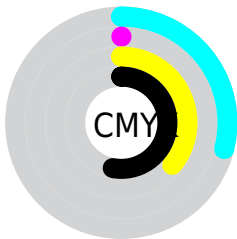
Blue (30%)



Red (30%)

Yellow (47%)

Blue (44%)

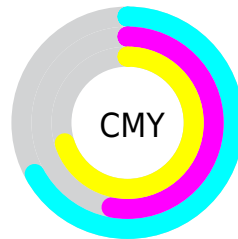


Cyan (29%)

Magenta (0%)

Yellow (36%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9001, 0.3175, 0.4278 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 15.9001, 0.3175, 0.4278 by changing the saturation by 10% instead.


 15.9001, 0.3175,
0.4278


 15.9001, 0.3175,
0.4278


228.7515, 0.3161,
0.3673


 9.4535, 0.3169,
0.4485


 36.4247, 0.3175,
0.4022


 5.0381, 0.3149,
0.4797

 51.2715, 0.3173,
0.3938

 2.2697, 0.3111,
0.5356

 69.6871, 0.3171,
0.3871

 0.7576, 0.2061,
0.7939

 92.0559, 0.3169,
0.3817

 0.0000, 0.0000,
0.0000

 118.7624, 0.3167,
0.3772

150.1909, 0.3165,

0.3734

186.7258, 0.3163,
0.3701

■ 15.9001, 0.3175,
0.4278

■ 15.9001, 0.3175,
0.4278

■ 15.3205, 0.3179,
0.4600

■ 16.5755, 0.3166,
0.3971

■ 14.8304, 0.3176,
0.4923

■ 17.3487, 0.3152,
0.3686

■ 14.4258, 0.3166,
0.5231


■ 18.2242, 0.3137,
0.3428

■ 14.1017, 0.3146,
0.5504


■ 19.2056, 0.3120,
0.3197


■ 13.8524, 0.3119,
0.5722


■ 20.2962, 0.3103,
0.2993


 13.6699, 0.3088,
0.5879

 21.4993, 0.3085,
0.2813

 13.6086, 0.3078,
0.5938

 22.8180, 0.3068,
0.2656

 24.2553, 0.3052,
0.2518

 25.8141, 0.3037,
0.2398

Harmonies

Analogous

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



15.9001, 0.3733, 0.4331



15.9001, 0.3175, 0.4278



15.9001, 0.2632, 0.3863

Triad

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



15.9001, 0.3175, 0.4278



15.9001, 0.2171, 0.2453



15.9001, 0.4083, 0.3203

Complementary

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



15.9001, 0.3175, 0.4278



10.1090, 0.3039, 0.2413

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.



15.9001, 0.3587, 0.2797



15.9001, 0.3175, 0.4278



15.9001, 0.2484, 0.2377

Square

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



15.9001, 0.3175, 0.4278



15.9001, 0.2087, 0.2756



15.9001, 0.2991, 0.2504



15.9001, 0.4291, 0.3655

Rectangle

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



15.9001, 0.3175, 0.4278



15.9001, 0.2350, 0.3469



15.9001, 0.2991, 0.2504



15.9001, 0.3942, 0.3059

Sweetspot

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



15.9008, 0.3175, 0.4278



31.1908, 0.3146, 0.3565



15.9867, 0.3692, 0.3984



7.3536, 0.3147, 0.3593



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.9008, 0.3175, 0.4278



27.1132, 0.3179, 0.4541



15.7487, 0.2946, 0.3993



4.4825, 0.3142, 0.3509



14.8391, 0.3076, 0.5940



70.5050, 0.3052, 0.5958

Inverse Universe

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



10.1090, 0.3039, 0.2413



15.3254, 0.3010, 0.2212



10.3639, 0.3377, 0.2680



4.0417, 0.3110, 0.3077



4.2897, 0.2758, 0.1293



20.1188, 0.2734, 0.1280

Previews

White Background



This preview shows how the Yxy color 15.9001, 0.3175, 0.4278 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 15.9001, 0.3175, 0.4278 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 15.9001, 0.3175, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 15.9001, 0.3175, 0.4278.



This preview shows how white text looks on a background with the Yxy color 15.9001, 0.3175, 0.4278.

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

15.9001, 0.3175, 0.4278

Protanopia

15.8430, 0.3746, 0.4055

Deuteranopia

15.7125, 0.3850, 0.3790



Tritanopia

15.7918, 0.2769, 0.3100

Trichromacy



Original Color

15.9001, 0.3175, 0.4278

Protanomaly

15.6548, 0.3526, 0.4145

Deuteranomaly

15.5108, 0.3581, 0.3957

Tritanomaly

15.7050, 0.2919, 0.3510

Monochromacy



Original Color

15.9001, 0.3175, 0.4278

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5748, 0.3152, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9001, 0.3175, 0.4278 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(85, 120, 77)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 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(85, 120, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 77) }
```

Border

The CSS property to change the border of an element to Yxy 15.9001, 0.3175, 0.4278 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(85, 120, 77) }
```

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

```
.border{ border-color:rgb(85, 120, 77) }
```

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

Here you see how a box with a 4 pixel rgb(85, 120, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 77);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9001, 0.3175, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 77) }
```

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

```
.background{ background-color: rgb(85, 120,  
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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