

Converting Colors

$Y_{xy}(15.2889, 0.3413, 0.3428)$

Have a look what the booklet for
Yxy(15.2889, 0.3413, 0.3428)
contains.

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Color

Yxy(15.2212, 0.3407, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	786A64
RGB	120, 106, 100
RGB Percent	47%, 42%, 39%
CMY	0.5294, 0.5843, 0.6079
CMYK	0.00, 0.12, 0.17, 0.53
HSL	18°, 9%, 43%
HSV	18°, 17%, 47%
XYZ	15.1989, 15.2212, 14.1907
YIQ	109.5020, 10.2700, 1.1020

Conversions

Conversions Part 2

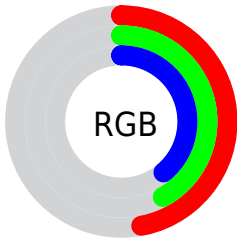
Format	Color
R_{YB}	120, 109, 100
Decimal	7891556
CIE Lab	45.94, 4.43, 5.38
CIE LCh	46, 6.970, 50.577
Yxy	15.2212, 0.3407, 0.3412
Android (android.graphics.Color)	4286081636 (0xFF786A64)
YUV	109.5020, -4.6845, 9.2067
Hunter-Lab	39.0144, 1.2634, 5.7445

Details

The Yxy color **15.2212, 0.3407, 0.3412** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0942, 0.2883, 0.3165**, and the grayscale version is **15.4544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1190, 0.3332, 0.3377**, and **4.7246, 0.3544, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **13.3607, 0.3615, 0.3490**, and if you desaturate by 10%, it is **17.2866, 0.3230, 0.3337**.

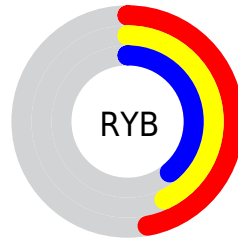
Distribution



Red (47%)

Green (42%)

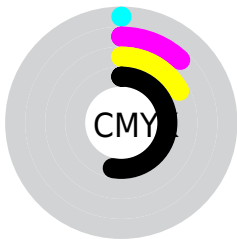
Blue (39%)



Red (47%)

Yellow (43%)

Blue (39%)

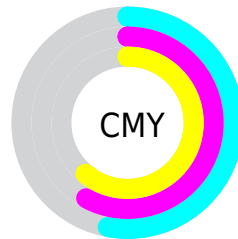


Cyan (0%)

Magenta (12%)

Yellow (17%)

Black (53%)



Cyan (53%)


Magenta (58%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2212, 0.3407, 0.3412 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 15.2212, 0.3407, 0.3412 by changing the saturation by 10% instead.


 15.2212, 0.3407,
0.3412

 15.2212, 0.3407,
0.3412


224.7012, 0.3241,
0.3341


 8.9748, 0.3461,
0.3434


 35.2408, 0.3338,
0.3383


 4.7247, 0.3542,
0.3466

 49.7827, 0.3315,
0.3374

 2.0867, 0.3674,
0.3515

 67.8586, 0.3297,
0.3366

 0.6571, 0.4238,
0.3801

 89.8528, 0.3281,
0.3359

 0.0000, 0.0000,
0.0000

116.1498, 0.3269,
0.3353

147.1339, 0.3258,

0.3349

183.1896, 0.3249,
0.3345

■ 15.2212, 0.3407,
0.3412

■ 15.2212, 0.3407,
0.3412

■ 13.3607, 0.3615,
0.3490

■ 17.2866, 0.3230,
0.3337

■ 11.6966, 0.3858,
0.3570

■ 19.5607, 0.3080,
0.3267

■ 10.2230, 0.4138,
0.3647

■ 22.0502, 0.2952,
0.3203

■ 8.9329, 0.4453,
0.3714

■ 24.7605, 0.2844,
0.3143

■ 7.8187, 0.4797,
0.3764

■ 27.6970, 0.2752,
0.3089

■ 6.8723, 0.5151,
0.3785

■ 30.8649, 0.2672,
0.3039

■ 6.0850, 0.5490,
0.3768

■ 34.2691, 0.2604,
0.2994

■ 5.4447, 0.5794,
0.3716

■ 37.9144, 0.2545,
0.2953

■ 5.2598, 0.5895,
0.3701

■ 41.8057, 0.2493,
0.2915

Harmonies

Analogous

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



15.2212, 0.3364, 0.3292



15.2212, 0.3407, 0.3412



15.2212, 0.3373, 0.3503

Triad

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



15.2212, 0.3407, 0.3412



15.2212, 0.2996, 0.3409



15.2212, 0.2980, 0.3051

Complementary

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



15.2212, 0.3407, 0.3412



16.0942, 0.2883, 0.3165

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.



15.2212, 0.2886, 0.3076



15.2212, 0.3407, 0.3412



15.2212, 0.2895, 0.3281

Square

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



15.2212, 0.3407, 0.3412



15.2212, 0.3134, 0.3505



15.2212, 0.2855, 0.3159



15.2212, 0.3116, 0.3087

Rectangle

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



15.2212, 0.3407, 0.3412



15.2212, 0.3311, 0.3534



15.2212, 0.2855, 0.3159



15.2212, 0.2943, 0.3052

Sweetspot

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



15.2219, 0.3407, 0.3412



31.0024, 0.3205, 0.3326



14.3197, 0.3227, 0.3013



7.2952, 0.3214, 0.3330



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

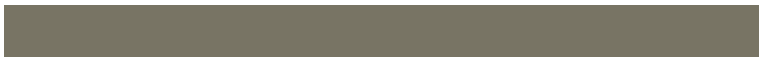
The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.2219, 0.3407, 0.3412



25.4835, 0.3483, 0.3442



17.4017, 0.3376, 0.3607



4.1935, 0.3270, 0.3355



5.7157, 0.5903, 0.3695



25.9384, 0.5992, 0.3624

Inverse Universe

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



16.0942, 0.2883, 0.3165



27.3205, 0.2827, 0.3133



13.9634, 0.2874, 0.2952



4.3186, 0.2994, 0.3224



8.3559, 0.1976, 0.2314



38.3131, 0.1961, 0.2258

Previews

White Background



This preview shows how the Yxy color 15.2212, 0.3407, 0.3412 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 15.2212, 0.3407, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

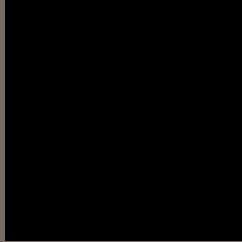
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2212, 0.3407, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 15.2212, 0.3407, 0.3412.



This preview shows how white text looks on a background with the Yxy color 15.2212, 0.3407, 0.3412.

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

15.2212, 0.3407, 0.3412

Protanopia

15.1754, 0.3287, 0.3435

Deuteranopia

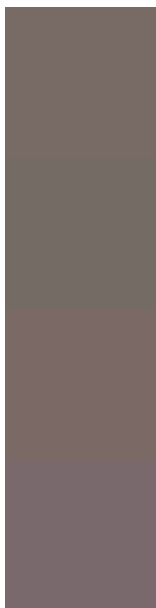
15.2342, 0.3454, 0.3390



Tritanopia

15.2081, 0.3276, 0.3133

Trichromacy



Original Color

15.2212, 0.3407, 0.3412

Protanomaly

15.1680, 0.3333, 0.3413

Deuteranomaly

15.1608, 0.3439, 0.3391

Tritanomaly

15.2508, 0.3314, 0.3231

Monochromacy



Original Color

15.2212, 0.3407, 0.3412

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.5553, 0.3234, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2212, 0.3407, 0.3412 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(120, 106, 100)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 100)  
}
```

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(120, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 100) }
```

Border

The CSS property to change the border of an element to Yxy 15.2212, 0.3407, 0.3412 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(120, 106, 100) }
```

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

```
.border{ border-color:rgb(120, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2212, 0.3407, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 100) }
```

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

```
.background{ background-color: rgb(120,  
106, 100) }
```

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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