

Converting Colors

$Y_{xy}(16.1920, 0.3275, 0.3230)$

Have a look what the booklet for
Yxy(16.1920, 0.3275, 0.3230)
contains.

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Color

Yxy(16.2447, 0.3267, 0.3232)

Conversions

Conversions Part 1	
Format	Color
Hex	7A6D70
RGB	122, 109, 112
RGB Percent	48%, 43%, 44%
CMY	0.5215, 0.5726, 0.5608
CMYK	0.00, 0.11, 0.08, 0.52
HSL	346°, 6%, 45%
HSV	346°, 11%, 48%
XYZ	16.4206, 16.2447, 17.5967
YIQ	113.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

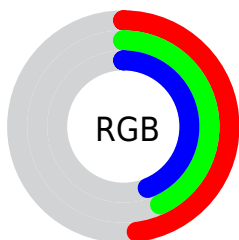
Format	Color
RYB	122, 109, 112
Decimal	8023408
CIELab	47.29, 5.66, 0.19
CIELCh	47, 5.660, 1.897
Yxy	16.2447, 0.3267, 0.3232
Android (android.graphics.Color)	4286213488 (0xFF7A6D70)
YUV	113.2290, -0.6059, 7.6922
Hunter-Lab	40.3047, 2.1898, 2.3277

Details

The Yxy color $16.2447, 0.3267, 0.3232$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $18.5068, 0.3004, 0.3349$, and the grayscale version is $16.5861, 0.3127, 0.3290$.

A 20% lighter version of the original color is $36.8206, 0.3226, 0.3234$, and $5.2319, 0.3330, 0.3229$ is the 20% darker color. If you saturate the color by 10%, you get $13.6219, 0.3428, 0.3174$, and if you desaturate by 10%, it is $19.2522, 0.3135, 0.3287$.

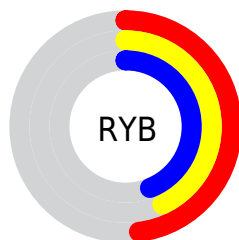
Distribution



Red (48%)

Green (43%)

Blue (44%)



Red (48%)

Yellow (43%)

Blue (44%)

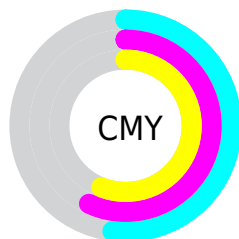


Cyan (0%)

Magenta (11%)

Yellow (8%)

Black (52%)



Cyan (52%)


Magenta (57%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2447, 0.3267, 0.3232 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 16.2447, 0.3267, 0.3232 by changing the saturation by 10% instead.


 16.2447, 0.3267,
0.3232


 16.2447, 0.3267,
0.3232


230.7813, 0.3185,
0.3266

 9.6975, 0.3293,
0.3221


 37.0225, 0.3233,
0.3246


 5.1988, 0.3332,
0.3205

 52.0219, 0.3222,
0.3251

 2.3644, 0.3393,
0.3179

 70.6074, 0.3213,
0.3255

 0.8075, 0.3515,
0.3129

 93.1635, 0.3205,
0.3258

 0.0000, 0.0000,
0.0000


120.0745, 0.3199,
0.3260


151.7249, 0.3194,


0.3263


188.4991, 0.3189,
0.3265


 16.2447, 0.3267,
0.3232


 16.2447, 0.3267,
0.3232

 13.6219, 0.3428,
0.3174


 19.2522, 0.3135,
0.3287


 11.3661, 0.3625,
0.3114


 22.6569, 0.3027,
0.3337


 9.4616, 0.3863,
0.3055


 26.4733, 0.2939,
0.3383


 7.8906, 0.4147,
0.3001


 30.7144, 0.2866,
0.3426


 6.6337, 0.4476,
0.2958


 35.3930, 0.2805,
0.3464


 5.6696, 0.4843,
0.2934


 40.5210, 0.2755,
0.3500


 4.9742, 0.5227,
0.2940

 46.1101, 0.2713,
0.3532

 4.5196, 0.5595,
0.2980

 52.1713, 0.2678,
0.3561

 4.2229, 0.5908,
0.3028

 58.7154, 0.2648,
0.3588

Harmonies

Analogous

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



16.2447, 0.3162, 0.3150



16.2447, 0.3267, 0.3232



16.2447, 0.3335, 0.3330

Triad

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



16.2447, 0.3267, 0.3232



16.2447, 0.3203, 0.3483



16.2447, 0.2913, 0.3156

Complementary

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



16.2447, 0.3267, 0.3232



18.5068, 0.3004, 0.3349

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.



16.2447, 0.2924, 0.3245



16.2447, 0.3267, 0.3232



16.2447, 0.3090, 0.3436

Square

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



16.2447, 0.3267, 0.3232



16.2447, 0.3297, 0.3476



16.2447, 0.2988, 0.3348



16.2447, 0.2958, 0.3106

Rectangle

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



16.2447, 0.3267, 0.3232



16.2447, 0.3349, 0.3392



16.2447, 0.2988, 0.3348



16.2447, 0.2910, 0.3183

Sweetspot

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



16.2454, 0.3267, 0.3232



32.5268, 0.3164, 0.3274



16.2630, 0.3099, 0.3038



7.3483, 0.3173, 0.3270



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.



16.2454, 0.3267, 0.3232



27.2877, 0.3307, 0.3217



16.9352, 0.3299, 0.3358



4.0288, 0.3244, 0.3241



4.4436, 0.5914, 0.3031



21.0856, 0.6034, 0.3097

Inverse Universe

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



16.2454, 0.3267, 0.3232



27.2877, 0.3307, 0.3217



17.7423, 0.2971, 0.3221



4.0288, 0.3244, 0.3241



4.4436, 0.5914, 0.3031



21.0856, 0.6034, 0.3097

Previews

White Background



This preview shows how the Yxy color 16.2447, 0.3267, 0.3232 looks on a white background.

Color Contrast Check

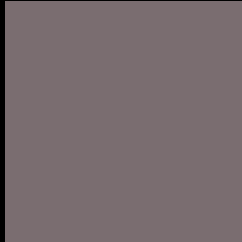
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2447, 0.3267, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

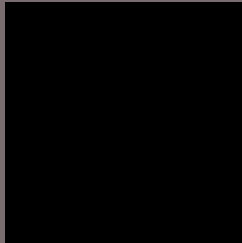
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2447, 0.3267, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 16.2447, 0.3267, 0.3232.



This preview shows how white text looks on a background with the Yxy color 16.2447, 0.3267, 0.3232.

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

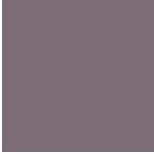
16.2447, 0.3267, 0.3232

Protanopia

16.3807, 0.3129, 0.3250

Deuteranopia

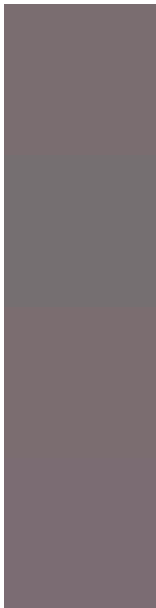
16.3181, 0.3280, 0.3232



Tritanopia

16.2204, 0.3217, 0.3117

Trichromacy



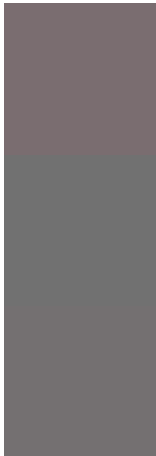
Original Color
16.2447, 0.3267, 0.3232

Protanomaly
16.3430, 0.3183, 0.3251

Deuteranomaly
16.3181, 0.3280, 0.3232

Tritanomaly
16.1739, 0.3243, 0.3155

Monochromacy



Original Color
16.2447, 0.3267, 0.3232

Achromatopsia
16.5132, 0.3127, 0.3290

Achromatomaly
16.4936, 0.3168, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2447, 0.3267, 0.3232 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(122, 109, 112) looks like.

```
.text, #text, p{  
    color:rgb(122, 109, 112)  
}
```

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(122, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 109, 112) }
```

Border

The CSS property to change the border of an element to Yxy 16.2447, 0.3267, 0.3232 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(122, 109, 112) }
```

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

```
.border{ border-color:rgb(122, 109, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 109, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 109, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 109, 112);  
box-shadow:4px 4px 4px 4px rgb(122, 109,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2447, 0.3267, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 109, 112) }
```

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

```
.background{ background-color: rgb(122,  
109, 112) }
```

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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