

Converting Colors

$Y_{xy}(16.9197, 0.3356, 0.3412)$

Have a look what the booklet for
Yxy(16.9197, 0.3356, 0.3412)
contains.

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Color

Yxy(16.8399, 0.3352, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	7B706A
RGB	123, 112, 106
RGB Percent	48%, 44%, 42%
CMY	0.5177, 0.5608, 0.5844
CMYK	0.00, 0.09, 0.14, 0.52
HSL	21°, 7%, 45%
HSV	21°, 14%, 48%
XYZ	16.5632, 16.8399, 16.0098
YIQ	114.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

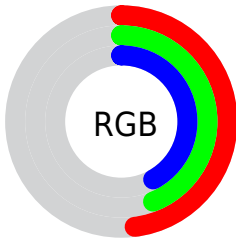
Format	Color
RYB	123, 115, 106
Decimal	8089706
CIELab	48.06, 3.17, 4.88
CIElCh	48, 5.821, 57.021
Yxy	16.8399, 0.3352, 0.3408
Android (android.graphics.Color)	4286279786 (0xFF7B706A)
YUV	114.6050, -4.2423, 7.3624
Hunter-Lab	41.0364, 0.2326, 5.5944

Details

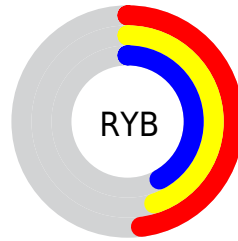
The Yxy color **16.8399, 0.3352, 0.3408** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2114, 0.2923, 0.3169**, and the grayscale version is **17.0299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2153, 0.3304, 0.3388**, and **5.4384, 0.3451, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **14.9254, 0.3547, 0.3499**, and if you desaturate by 10%, it is **18.9475, 0.3185, 0.3322**.

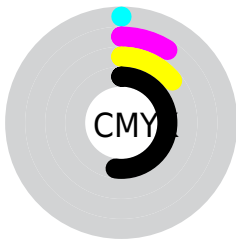
Distribution



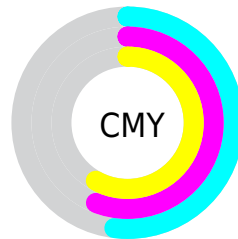
- Red (48%)
- Green (44%)
- Blue (42%)



- Red (48%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (14%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8399, 0.3352, 0.3408 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 16.8399, 0.3352, 0.3408 by changing the saturation by 10% instead.

■ 16.8399, 0.3352,
0.3408

■ 16.8399, 0.3352,
0.3408

■ 234.2481, 0.3220,
0.3340

■ 10.1204, 0.3394,
0.3429

■ 38.0503, 0.3298,
0.3381

■ 5.4789, 0.3455,
0.3459

■ 53.3100, 0.3280,
0.3371

■ 2.5309, 0.3552,
0.3506

■ 72.1852, 0.3265,
0.3364

■ 0.8920, 0.3788,
0.3641

■ 95.0604, 0.3253,
0.3357

■ 0.0000, 0.0000,
0.0000

■ 122.3198, 0.3243,
0.3352

■ 154.3480, 0.3234,

0.3347

191.5293, 0.3227,
0.3343

■ 16.8399, 0.3352,
0.3408

■ 16.8399, 0.3352,
0.3408

■ 14.9254, 0.3547,
0.3499

■ 18.9475, 0.3185,
0.3322

■ 13.1962, 0.3773,
0.3592

■ 21.2512, 0.3041,
0.3241

■ 11.6472, 0.4032,
0.3684

■ 23.7569, 0.2919,
0.3166

■ 10.2723, 0.4323,
0.3768

■ 26.4695, 0.2814,
0.3098

■ 9.0650, 0.4640,
0.3836

■ 29.3937, 0.2723,
0.3035

■ 8.0184, 0.4971,
0.3876

■ 32.5340, 0.2645,
0.2978

■ 7.1247, 0.5294,
0.3879

■ 35.8949, 0.2578,
0.2925

■ 6.3755, 0.5586,
0.3836

■ 39.4807, 0.2519,
0.2877

■ 5.9759, 0.5764,
0.3806

■ 43.2955, 0.2467,
0.2834

Harmonies

Analogous

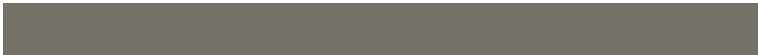
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.8399, 0.3331, 0.3314



16.8399, 0.3352, 0.3408



16.8399, 0.3312, 0.3473

Triad

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



16.8399, 0.3352, 0.3408



16.8399, 0.3001, 0.3365



16.8399, 0.3030, 0.3098

Complementary

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



16.8399, 0.3352, 0.3408



17.2114, 0.2923, 0.3169

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.



16.8399, 0.2945, 0.3108



16.8399, 0.3352, 0.3408



16.8399, 0.2928, 0.3261

Square

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



16.8399, 0.3352, 0.3408



16.8399, 0.3108, 0.3450



16.8399, 0.2907, 0.3167



16.8399, 0.3143, 0.3138

Rectangle

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



16.8399, 0.3352, 0.3408



16.8399, 0.3256, 0.3490



16.8399, 0.2907, 0.3167



16.8399, 0.2997, 0.3096

Sweetspot

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



16.8406, 0.3352, 0.3408



33.8255, 0.3189, 0.3324



15.8018, 0.3219, 0.3077



7.9058, 0.3199, 0.3329



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

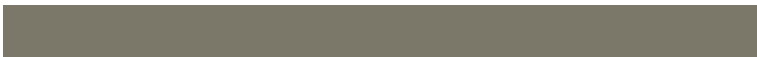
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8406, 0.3352, 0.3408



28.8888, 0.3419, 0.3440



18.7915, 0.3330, 0.3568



4.2256, 0.3269, 0.3366



6.1727, 0.5766, 0.3803



27.9754, 0.5857, 0.3732

Inverse Universe

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



17.2114, 0.2923, 0.3169



29.7047, 0.2870, 0.3135



15.3328, 0.2919, 0.2996



4.2851, 0.2994, 0.3213



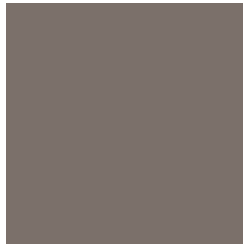
7.3269, 0.1925, 0.2130



33.3023, 0.1907, 0.2064

Previews

White Background



This preview shows how the Yxy color 16.8399, 0.3352, 0.3408 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 16.8399, 0.3352, 0.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

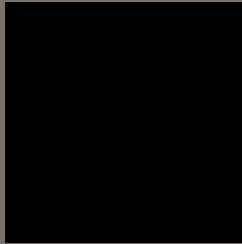
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8399, 0.3352, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 16.8399, 0.3352, 0.3408.



This preview shows how white text looks on a background with the Yxy color 16.8399, 0.3352, 0.3408.

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

16.8399, 0.3352, 0.3408

Protanopia

16.9477, 0.3266, 0.3429

Deuteranopia

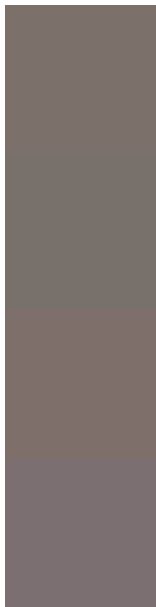
16.7817, 0.3427, 0.3367



Tritanopia

16.8437, 0.3216, 0.3119

Trichromacy



Original Color

16.8399, 0.3352, 0.3408

Protanomaly

16.8649, 0.3296, 0.3409

Deuteranomaly

16.8451, 0.3396, 0.3387

Tritanomaly

16.8689, 0.3264, 0.3233

Monochromacy



Original Color

16.8399, 0.3352, 0.3408

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0560, 0.3204, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8399, 0.3352, 0.3408 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(123, 112, 106)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 106)  
}
```

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(123, 112, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.8399, 0.3352, 0.3408 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(123, 112, 106) }
```

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

```
.border{ border-color:rgb(123, 112, 106) }
```

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

Here you see how a box with a 4 pixel rgb(123, 112, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8399, 0.3352, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 106) }
```

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

```
.background{ background-color: rgb(123,  
112, 106) }
```

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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