

Converting Colors

$Y_{xy}(16.9824, 0.3248, 0.3706)$

Have a look what the booklet for
Yxy(16.9824, 0.3248, 0.3706)
contains.

Yxy(17.0899, 0.3248, 0.3704)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0899, 0.3248, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	6D7662
RGB	109, 118, 98
RGB Percent	43%, 46%, 38%
CMY	0.5727, 0.5372, 0.6157
CMYK	0.08, 0.00, 0.17, 0.54
HSL	87°, 9%, 42%
HSV	87°, 17%, 46%
XYZ	14.9860, 17.0899, 14.0632
YIQ	113.0290, 1.0560, -8.1280

Conversions

Conversions Part 2

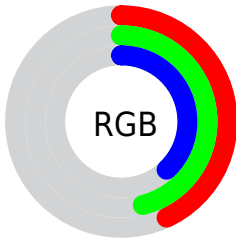
Format	Color
RYB	98, 118, 107
Decimal	7173730
CIELab	48.37, -7.35, 9.89
CIELCh	48, 12.325, 126.627
Yxy	17.0899, 0.3248, 0.3704
Android (android.graphics.Color)	4285363810 (0xFF6D7662)
YUV	113.0290, -7.4093, -3.5334
Hunter-Lab	41.3399, -7.6376, 8.7684

Details

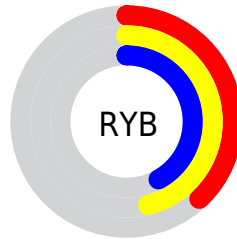
The Yxy color **17.0899, 0.3248, 0.3704** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1721, 0.2990, 0.2873**, and the grayscale version is **16.5432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4964, 0.3223, 0.3596**, and **5.6204, 0.3279, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **16.5557, 0.3317, 0.3970**, and if you desaturate by 10%, it is **17.6790, 0.3177, 0.3454**.

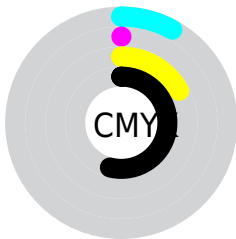
Distribution



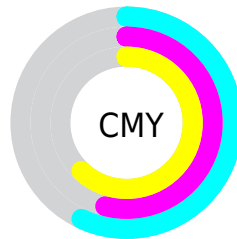
- Red (43%)
- Green (46%)
- Blue (38%)



- Red (38%)
- Yellow (46%)
- Blue (42%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (54%)



- Cyan (57%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0899, 0.3248, 0.3704 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 17.0899, 0.3248, 0.3704 by changing the saturation by 10% instead.

■ 17.0899, 0.3248,
0.3704

■ 17.0899, 0.3248,
0.3704

■ 235.6899, 0.3180,
0.3459

■ 10.2986, 0.3268,
0.3784

■ 38.4803, 0.3221,
0.3603

■ 5.5974, 0.3296,
0.3901

■ 53.8482, 0.3212,
0.3569

■ 2.6019, 0.3336,
0.4089

■ 72.8437, 0.3204,
0.3542

■ 0.9276, 0.3603,
0.4764

■ 95.8513, 0.3197,
0.3519

■ 0.0000, 0.0000,
0.0000

■ 123.2553, 0.3192,
0.3500

■ 155.4401, 0.3187,

0.3484

192.7902, 0.3183,
0.3471

■ 17.0899, 0.3248,
0.3704

■ 17.0899, 0.3248,
0.3704

■ 16.5557, 0.3317,
0.3970

■ 17.6790, 0.3177,
0.3454

■ 16.0725, 0.3381,
0.4247

■ 18.3224, 0.3106,
0.3222

■ 15.6390, 0.3437,
0.4526

■ 19.0226, 0.3037,
0.3009

■ 15.2531, 0.3480,
0.4799

■ 19.7811, 0.2970,
0.2817

■ 14.9127, 0.3507,
0.5053

■ 20.5994, 0.2908,
0.2643

■ 14.6153, 0.3514,
0.5275

■ 21.4788, 0.2849,
0.2487

■ 14.3581, 0.3500,
0.5455

■ 22.4208, 0.2794,
0.2347

■ 14.1354, 0.3468,
0.5594

■ 23.4266, 0.2743,
0.2221

■ 14.0717, 0.3459,
0.5636

■ 24.4976, 0.2696,
0.2109

Harmonies

Analogous

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



17.0899, 0.3463, 0.3700



17.0899, 0.3248, 0.3704



17.0899, 0.3007, 0.3584

Triad

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



17.0899, 0.3248, 0.3704



17.0899, 0.2683, 0.2978



17.0899, 0.3457, 0.3195

Complementary

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



17.0899, 0.3248, 0.3704



13.1721, 0.2990, 0.2873

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.



17.0899, 0.3237, 0.3021



17.0899, 0.3248, 0.3704



17.0899, 0.2793, 0.2894

Square

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



17.0899, 0.3248, 0.3704



17.0899, 0.2687, 0.3152



17.0899, 0.2993, 0.2911



17.0899, 0.3588, 0.3399

Rectangle

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



17.0899, 0.3248, 0.3704



17.0899, 0.2863, 0.3452



17.0899, 0.2993, 0.2911



17.0899, 0.3391, 0.3132

Sweetspot

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



17.0906, 0.3248, 0.3704



31.2781, 0.3164, 0.3410



15.2507, 0.3402, 0.3474



7.1775, 0.3168, 0.3423



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



17.0906, 0.3248, 0.3704



29.7004, 0.3273, 0.3797



16.4944, 0.3119, 0.3721



4.1878, 0.3192, 0.3504



15.2123, 0.3456, 0.5638



73.6173, 0.3421, 0.5666

Inverse Universe

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



13.1721, 0.2990, 0.2873



21.5717, 0.2957, 0.2779



13.8260, 0.3131, 0.2891



3.6634, 0.3059, 0.3075



2.2374, 0.1969, 0.0858



10.4079, 0.1916, 0.0829

Previews

White Background



This preview shows how the Yxy color 17.0899, 0.3248, 0.3704 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 17.0899, 0.3248, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

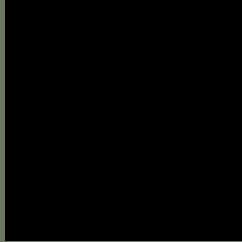
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0899, 0.3248, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 17.0899, 0.3248, 0.3704.



This preview shows how white text looks on a background with the Yxy color 17.0899, 0.3248, 0.3704.

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

17.0899, 0.3248, 0.3704

Protanopia

16.9441, 0.3447, 0.3648

Deuteranopia

16.8973, 0.3551, 0.3481



Tritanopia

17.0006, 0.2997, 0.3094

Trichromacy



Original Color

17.0899, 0.3248, 0.3704

Protanomaly

16.9064, 0.3376, 0.3653

Deuteranomaly

16.9221, 0.3440, 0.3566

Tritanomaly

16.9440, 0.3089, 0.3290

Monochromacy



Original Color

17.0899, 0.3248, 0.3704

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7889, 0.3173, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0899, 0.3248, 0.3704 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(109, 118, 98)` looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 98)  
}
```

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(109, 118, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 98) }
```

Border

The CSS property to change the border of an element to Yxy 17.0899, 0.3248, 0.3704 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(109, 118, 98) }
```

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

```
.border{ border-color:rgb(109, 118, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 98);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0899, 0.3248, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 98) }
```

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

```
.background{ background-color: rgb(109,  
118, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor