

Converting Colors

$Y_{xy}(17.7210, 0.3135, 0.3703)$

Have a look what the booklet for
Yxy(17.7210, 0.3135, 0.3703)
contains.

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Color

Yxy(17.8214, 0.3132, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	687A66
RGB	104, 122, 102
RGB Percent	41%, 48%, 40%
CMY	0.5922, 0.5215, 0.6000
CMYK	0.15, 0.00, 0.16, 0.52
HSL	114°, 9%, 44%
HSV	114°, 16%, 48%
XYZ	15.0652, 17.8214, 15.2143
YIQ	114.3380, -4.3080, -10.0360

Conversions

Conversions Part 2

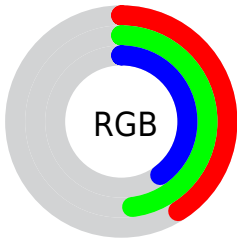
Format	Color
RYB	102, 122, 120
Decimal	6847078
CIELab	49.28, -10.78, 8.77
CIELCh	49, 13.896, 140.886
Yxy	17.8214, 0.3132, 0.3705
Android (android.graphics.Color)	4285037158 (0xFF687A66)
YUV	114.3380, -6.0826, -9.0664
Hunter-Lab	42.2154, -10.1765, 8.1828

Details

The Yxy color **17.8214, 0.3132, 0.3705** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9009, 0.3118, 0.2901**, and the grayscale version is **16.9532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5406, 0.3130, 0.3598**, and **5.9108, 0.3136, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **16.9826, 0.3132, 0.3996**, and if you desaturate by 10%, it is **18.7830, 0.3130, 0.3443**.

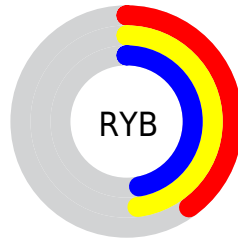
Distribution



Red (41%)

Green (48%)

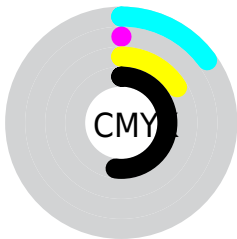
Blue (40%)



Red (40%)

Yellow (48%)

Blue (47%)

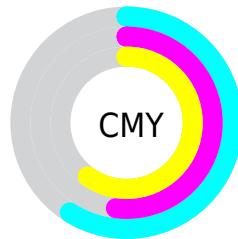


Cyan (15%)

Magenta (0%)

Yellow (16%)

Black (52%)



Cyan (59%)


Magenta (52%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8214, 0.3132, 0.3705 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 17.8214, 0.3132, 0.3705 by changing the saturation by 10% instead.


 17.8214, 0.3132,
0.3705


 17.8214, 0.3132,
0.3705


239.8624, 0.3132,
0.3459

 10.8218, 0.3131,
0.3784


 39.7328, 0.3133,
0.3604


 5.9472, 0.3127,
0.3901

 55.4133, 0.3133,
0.3570

 2.8130, 0.3118,
0.4090

 74.7564, 0.3133,
0.3542

 1.0349, 0.3164,
0.4592

 98.1463, 0.3133,
0.3520

 0.0000, 0.0000,
0.0000

125.9675, 0.3132,
0.3501

158.6043, 0.3132,

0.3485

196.4411, 0.3132,
0.3471

■ 17.8214, 0.3132,
0.3705

■ 17.8214, 0.3132,
0.3705

■ 16.9826, 0.3132,
0.3996

■ 18.7830, 0.3130,
0.3443

■ 16.2595, 0.3130,
0.4312

■ 19.8697, 0.3126,
0.3210

■ 15.6476, 0.3124,
0.4643

■ 21.0866, 0.3121,
0.3005

■ 15.1415, 0.3113,
0.4976

■ 22.4378, 0.3115,
0.2826

■ 14.7352, 0.3099,
0.5291

■ 23.9272, 0.3109,
0.2671

■ 14.4218, 0.3080,
0.5565

■ 25.5586, 0.3103,
0.2536

■ 14.1941, 0.3058,
0.5778

■ 27.3357, 0.3097,
0.2419

■ 14.0414, 0.3038,
0.5925

■ 29.2619, 0.3092,
0.2317

■ 14.0000, 0.3035,
0.5972

■ 31.3407, 0.3086,
0.2228

Harmonies

Analogous

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



17.8214, 0.3394, 0.3767



17.8214, 0.3132, 0.3705



17.8214, 0.2876, 0.3516

Triad

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



17.8214, 0.3132, 0.3705



17.8214, 0.2679, 0.2885



17.8214, 0.3580, 0.3290

Complementary

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



17.8214, 0.3132, 0.3705



14.9009, 0.3118, 0.2901

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.



17.8214, 0.3373, 0.3077



17.8214, 0.3132, 0.3705



17.8214, 0.2852, 0.2847

Square

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



17.8214, 0.3132, 0.3705



17.8214, 0.2622, 0.3033



17.8214, 0.3104, 0.2918



17.8214, 0.3660, 0.3512

Rectangle

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



17.8214, 0.3132, 0.3705



17.8214, 0.2742, 0.3349



17.8214, 0.3104, 0.2918



17.8214, 0.3523, 0.3215

Sweetspot

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



17.8222, 0.3132, 0.3705



33.2738, 0.3129, 0.3411



18.5315, 0.3367, 0.3640



7.5847, 0.3129, 0.3425



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.



17.8222, 0.3132, 0.3705



30.7232, 0.3132, 0.3820



17.8709, 0.3019, 0.3537



4.4673, 0.3130, 0.3510



14.7360, 0.3034, 0.5973



70.1122, 0.3018, 0.5985

Inverse Universe

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



14.9009, 0.3118, 0.2901



24.4806, 0.3114, 0.2802



14.8545, 0.3253, 0.3055



4.0582, 0.3123, 0.3078



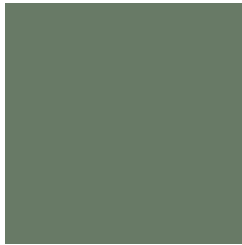
4.9575, 0.2968, 0.1409



23.4382, 0.2955, 0.1401

Previews

White Background



This preview shows how the Yxy color 17.8214, 0.3132, 0.3705 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 17.8214, 0.3132, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

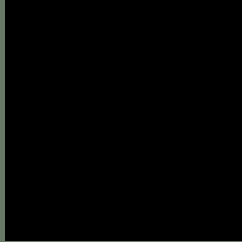
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8214, 0.3132, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 17.8214, 0.3132, 0.3705.



This preview shows how white text looks on a background with the Yxy color 17.8214, 0.3132, 0.3705.

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

17.8214, 0.3132, 0.3705

Protanopia

17.8344, 0.3426, 0.3641

Deuteranopia

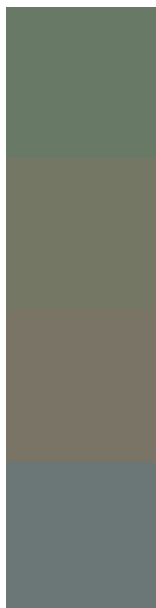
17.7963, 0.3513, 0.3459



Tritanopia

17.7035, 0.2893, 0.3093

Trichromacy



Original Color

17.8214, 0.3132, 0.3705

Protanomaly

17.8268, 0.3314, 0.3670

Deuteranomaly

17.6076, 0.3366, 0.3544

Tritanomaly

17.6514, 0.2980, 0.3290

Monochromacy



Original Color

17.8214, 0.3132, 0.3705

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.1634, 0.3121, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8214, 0.3132, 0.3705 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(104, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(104, 122, 102)  
}
```

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(104, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 122, 102) }
```

Border

The CSS property to change the border of an element to Yxy 17.8214, 0.3132, 0.3705 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(104, 122, 102) }
```

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

```
.border{ border-color:rgb(104, 122, 102) }
```

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

Here you see how a box with a 4 pixel rgb(104, 122, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(104, 122,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8214, 0.3132, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 122, 102) }
```

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

```
.background{ background-color: rgb(104,  
122, 102) }
```

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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