

Converting Colors

$Y_{xy}(17.7602, 0.3136, 0.3533)$

Have a look what the booklet for
Yxy(17.7602, 0.3136, 0.3533)
contains.

Yxy(17.7669, 0.3128, 0.3533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7669, 0.3128, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	6D786C
RGB	109, 120, 108
RGB Percent	43%, 47%, 42%
CMY	0.5726, 0.5294, 0.5764
CMYK	0.09, 0.00, 0.10, 0.53
HSL	115°, 5%, 45%
HSV	115°, 10%, 47%
XYZ	15.7302, 17.7669, 16.7913
YIQ	115.3430, -2.7040, -6.0640

Conversions

Conversions Part 2

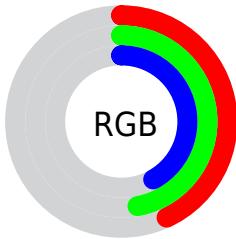
Format	Color
RYB	108, 120, 119
Decimal	7174252
CIELab	49.21, -6.57, 5.18
CIELCh	49, 8.368, 141.732
Yxy	17.7669, 0.3128, 0.3533
Android (android.graphics.Color)	4285364332 (0xFF6D786C)
YUV	115.3430, -3.6201, -5.5628
Hunter-Lab	42.1508, -7.1496, 5.8866

Details

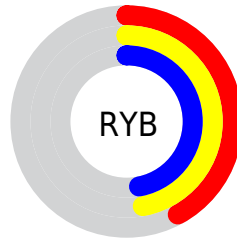
The Yxy color **17.7669, 0.3128, 0.3533** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0075, 0.3125, 0.3057**, and the grayscale version is **17.2663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5853, 0.3136, 0.3477**, and **5.9638, 0.3110, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **16.8740, 0.3127, 0.3806**, and if you desaturate by 10%, it is **18.7840, 0.3127, 0.3290**.

Distribution



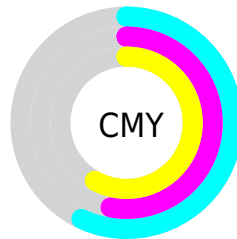
- Red (43%)
- Green (47%)
- Blue (42%)



- Red (42%)
- Yellow (47%)
- Blue (47%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)



- Cyan (57%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7669, 0.3128, 0.3533 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 17.7669, 0.3128, 0.3533 by changing the saturation by 10% instead.

■ 17.7669, 0.3128,
0.3533

■ 17.7669, 0.3128,
0.3533

■ 239.5539, 0.3128,
0.3390

■ 10.7828, 0.3127,
0.3579

■ 39.6397, 0.3128,
0.3475

■ 5.9210, 0.3126,
0.3645

■ 55.2972, 0.3129,
0.3455

■ 2.7971, 0.3123,
0.3752

■ 74.6146, 0.3129,
0.3439

■ 1.0267, 0.3131,
0.3974

■ 97.9763, 0.3129,
0.3426

■ 0.0000, 0.0000,
0.0000

■ 125.7666, 0.3129,
0.3415

■ 158.3701, 0.3129,

0.3405

196.1711, 0.3128,
0.3397

■ 17.7669, 0.3128,
0.3533

■ 17.7669, 0.3128,
0.3533

■ 16.8740, 0.3127,
0.3806

■ 18.7840, 0.3127,
0.3290

■ 16.0985, 0.3124,
0.4107

■ 19.9276, 0.3125,
0.3076

■ 15.4361, 0.3118,
0.4431

■ 21.2024, 0.3122,
0.2889

■ 14.8816, 0.3109,
0.4766

■ 22.6126, 0.3119,
0.2726

■ 14.4291, 0.3096,
0.5096

■ 24.1619, 0.3115,
0.2585

■ 14.0725, 0.3080,
0.5399

■ 25.8541, 0.3111,
0.2463

■ 13.8049, 0.3061,
0.5654

■ 27.6927, 0.3107,
0.2357

■ 13.6182, 0.3041,
0.5842

■ 29.6810, 0.3103,
0.2264

■ 13.4972, 0.3029,
0.5977

■ 31.8224, 0.3099,
0.2184

Harmonies

Analogous

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



17.7669, 0.3286, 0.3574



17.7669, 0.3128, 0.3533



17.7669, 0.2973, 0.3421

Triad

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



17.7669, 0.3128, 0.3533



17.7669, 0.2856, 0.3043



17.7669, 0.3401, 0.3297

Complementary

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



17.7669, 0.3128, 0.3533



16.0075, 0.3125, 0.3057

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.



17.7669, 0.3280, 0.3163



17.7669, 0.3128, 0.3533



17.7669, 0.2965, 0.3019

Square

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



17.7669, 0.3128, 0.3533



17.7669, 0.2818, 0.3135



17.7669, 0.3120, 0.3063



17.7669, 0.3447, 0.3433

Rectangle

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



17.7669, 0.3128, 0.3533



17.7669, 0.2891, 0.3324



17.7669, 0.3120, 0.3063



17.7669, 0.3368, 0.3251

Sweetspot

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



17.7677, 0.3128, 0.3533



32.4616, 0.3128, 0.3362



18.2708, 0.3270, 0.3504



7.6620, 0.3128, 0.3379



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.



17.7677, 0.3128, 0.3533



30.8678, 0.3128, 0.3593



17.8151, 0.3059, 0.3431



4.4642, 0.3128, 0.3510



14.7207, 0.3028, 0.5978



70.0601, 0.3014, 0.5989

Inverse Universe

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



16.0075, 0.3125, 0.3057



27.1153, 0.3124, 0.3002



15.9593, 0.3202, 0.3153



4.0616, 0.3125, 0.3078



5.1038, 0.3011, 0.1432



24.1688, 0.3000, 0.1426

Previews

White Background



This preview shows how the Yxy color 17.7669, 0.3128, 0.3533 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 17.7669, 0.3128, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

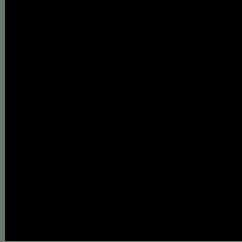
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

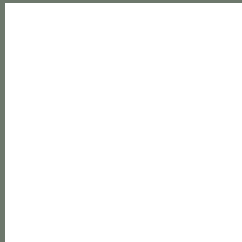
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7669, 0.3128, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 17.7669, 0.3128, 0.3533.

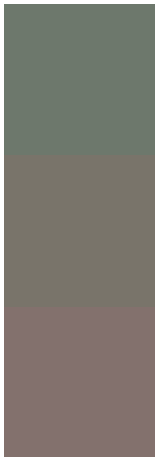


This preview shows how white text looks on a background with the Yxy color 17.7669, 0.3128, 0.3533.

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

17.7669, 0.3128, 0.3533

Protanopia

17.5963, 0.3315, 0.3486

Deuteranopia

17.7397, 0.3420, 0.3366



Tritanopia

17.6996, 0.2951, 0.3095

Trichromacy



Original Color

17.7669, 0.3128, 0.3533

Protanomaly

17.5660, 0.3247, 0.3488

Deuteranomaly

17.8059, 0.3304, 0.3426

Tritanomaly

17.6924, 0.3017, 0.3250

Monochromacy



Original Color

17.7669, 0.3128, 0.3533

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4031, 0.3135, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7669, 0.3128, 0.3533 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, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(109, 120, 108)  
}
```

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, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 120, 108) }
```

Border

The CSS property to change the border of an element to Yxy 17.7669, 0.3128, 0.3533 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, 120, 108) }
```

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

```
.border{ border-color:rgb(109, 120, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 120, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 120, 108);  
box-shadow:4px 4px 4px 4px rgb(109, 120,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7669, 0.3128, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 120, 108) }
```

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

```
.background{ background-color: rgb(109,  
120, 108) }
```

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