

Converting Colors

$Y_{xy}(17.7785, 0.3271, 0.3716)$

Have a look what the booklet for
Yxy(17.7785, 0.3271, 0.3716)
contains.

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Color

Yxy(17.7785, 0.3271, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	707863
RGB	112, 120, 99
RGB Percent	44%, 47%, 39%
CMY	0.5609, 0.5294, 0.6117
CMYK	0.07, 0.00, 0.17, 0.53
HSL	83°, 10%, 43%
HSV	83°, 17%, 47%
XYZ	15.6495, 17.7785, 14.4151
YIQ	115.2140, 1.9730, -8.2270

Conversions

Conversions Part 2

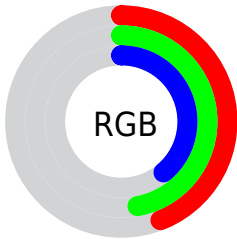
Format	Color
RYB	99, 120, 107
Decimal	7370851
CIELab	49.23, -7.10, 10.53
CIElCh	49, 12.698, 124.007
Yxy	17.7785, 0.3271, 0.3716
Android (android.graphics.Color)	4285560931 (0xFF707863)
YUV	115.2140, -7.9935, -2.8187
Hunter-Lab	42.1646, -7.5373, 9.2453

Details

The Yxy color **17.7785, 0.3271, 0.3716** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4115, 0.2965, 0.2856**, and the grayscale version is **17.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5996, 0.3240, 0.3607**, and **5.9727, 0.3332, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **17.2732, 0.3352, 0.3979**, and if you desaturate by 10%, it is **18.3348, 0.3189, 0.3466**.

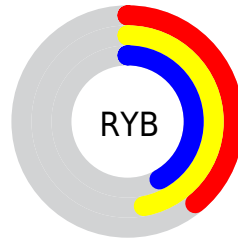
Distribution



Red (44%)

Green (47%)

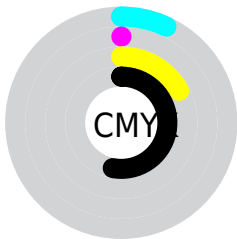
Blue (39%)



Red (39%)

Yellow (47%)

Blue (42%)

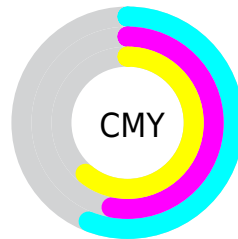


Cyan (7%)

Magenta (0%)

Yellow (17%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7785, 0.3271, 0.3716 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 17.7785, 0.3271, 0.3716 by changing the saturation by 10% instead.

■ 17.7785, 0.3271,
0.3716

■ 17.7785, 0.3271,
0.3716

■ 239.6196, 0.3190,
0.3465

■ 10.7911, 0.3295,
0.3796

■ 39.6595, 0.3239,
0.3613

■ 5.9265, 0.3328,
0.3914

■ 55.3219, 0.3228,
0.3578

■ 2.8005, 0.3376,
0.4101

■ 74.6448, 0.3218,
0.3550

■ 1.0285, 0.3621,
0.4670

■ 98.0125, 0.3211,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 125.8094, 0.3204,
0.3508

■ 158.4200, 0.3199,

0.3492

196.2286, 0.3194,
0.3477

■ 17.7785, 0.3271,
0.3716

■ 17.7785, 0.3271,
0.3716

■ 17.2732, 0.3352,
0.3979

■ 18.3348, 0.3189,
0.3466

■ 16.8148, 0.3427,
0.4250

■ 18.9415, 0.3107,
0.3233

■ 16.4023, 0.3494,
0.4521

■ 19.6007, 0.3027,
0.3019

■ 16.0338, 0.3547,
0.4782

■ 20.3141, 0.2952,
0.2823

■ 15.7070, 0.3583,
0.5022

■ 21.0830, 0.2880,
0.2645

■ 15.4195, 0.3599,
0.5229

■ 21.9088, 0.2813,
0.2485

■ 15.1686, 0.3592,
0.5395

■ 22.7927, 0.2751,
0.2341

■ 14.9481, 0.3568,
0.5522

■ 23.7360, 0.2693,
0.2211

■ 14.8953, 0.3561,
0.5554

■ 24.7400, 0.2640,
0.2095

Harmonies

Analogous

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



17.7785, 0.3484, 0.3701



17.7785, 0.3271, 0.3716



17.7785, 0.3025, 0.3604

Triad

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



17.7785, 0.3271, 0.3716



17.7785, 0.2672, 0.2985



17.7785, 0.3446, 0.3177

Complementary

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



17.7785, 0.3271, 0.3716



13.4115, 0.2965, 0.2856

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.



17.7785, 0.3217, 0.3003



17.7785, 0.3271, 0.3716



17.7785, 0.2774, 0.2891

Square

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



17.7785, 0.3271, 0.3716



17.7785, 0.2686, 0.3168



17.7785, 0.2970, 0.2900



17.7785, 0.3590, 0.3382

Rectangle

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



17.7785, 0.3271, 0.3716



17.7785, 0.2876, 0.3474



17.7785, 0.2970, 0.2900



17.7785, 0.3376, 0.3113

Sweetspot

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



17.7793, 0.3271, 0.3716



32.4883, 0.3169, 0.3409



15.3504, 0.3418, 0.3446



7.6854, 0.3174, 0.3423



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.



17.7793, 0.3271, 0.3716



30.8984, 0.3304, 0.3821



17.1498, 0.3141, 0.3733



4.5610, 0.3202, 0.3505



16.2397, 0.3559, 0.5556



76.9645, 0.3528, 0.5581

Inverse Universe

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



13.4115, 0.2965, 0.2856



21.7043, 0.2921, 0.2747



14.0795, 0.3107, 0.2874



3.9613, 0.3048, 0.3073



2.1023, 0.1849, 0.0792



9.5721, 0.1798, 0.0764

Previews

White Background



This preview shows how the Yxy color 17.7785, 0.3271, 0.3716 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 17.7785, 0.3271, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

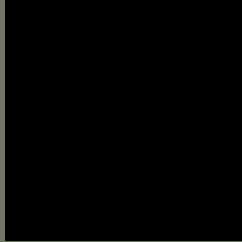
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7785, 0.3271, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 17.7785, 0.3271, 0.3716.



This preview shows how white text looks on a background with the Yxy color 17.7785, 0.3271, 0.3716.

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

17.7785, 0.3271, 0.3716

Protanopia

17.7966, 0.3451, 0.3681

Deuteranopia

17.5963, 0.3571, 0.3496



Tritanopia

17.7101, 0.3011, 0.3098

Trichromacy



Original Color

17.7785, 0.3271, 0.3716

Protanomaly

17.7606, 0.3381, 0.3687

Deuteranomaly

17.6172, 0.3462, 0.3580

Tritanomaly

17.6284, 0.3114, 0.3310

Monochromacy



Original Color

17.7785, 0.3271, 0.3716

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4041, 0.3184, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7785, 0.3271, 0.3716 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(112, 120, 99)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 99)  
}
```

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(112, 120, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 99) }
```

Border

The CSS property to change the border of an element to Yxy 17.7785, 0.3271, 0.3716 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(112, 120, 99) }
```

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

```
.border{ border-color:rgb(112, 120, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 99);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7785, 0.3271, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 99) }
```

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

```
.background{ background-color: rgb(112,  
120, 99) }
```

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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