

Converting Colors

$Y_{xy}(17.7623, 0.3457, 0.4068)$

Have a look what the booklet for
Yxy(17.7623, 0.3457, 0.4068)
contains.

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Color

Yxy(17.7440, 0.3456, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	707953
RGB	112, 121, 83
RGB Percent	44%, 47%, 33%
CMY	0.5607, 0.5255, 0.6745
CMYK	0.07, 0.00, 0.31, 0.53
HSL	74°, 19%, 40%
HSV	74°, 31%, 47%
XYZ	15.0820, 17.7440, 10.8140
YIQ	113.9770, 6.8340, -13.7260

Conversions

Conversions Part 2

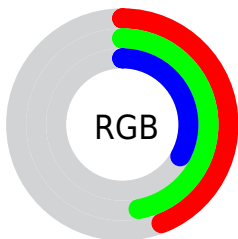
Format	Color
R_{YB}	83, 121, 92
Decimal	7371091
CIE Lab	49.18, -10.27, 19.77
CIE LCh	49, 22.277, 117.463
Yxy	17.7440, 0.3456, 0.4066
Android (android.graphics.Color)	4285561171 (0xFF707953)
YUV	113.9770, -15.2717, -1.7338
Hunter-Lab	42.1236, -9.8061, 14.2656

Details

The Yxy color **17.7440, 0.3456, 0.4066** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8422, 0.2725, 0.2448**, and the grayscale version is **16.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4731, 0.3383, 0.3872**, and **5.9886, 0.3586, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **17.3891, 0.3553, 0.4322**, and if you desaturate by 10%, it is **18.1391, 0.3352, 0.3810**.

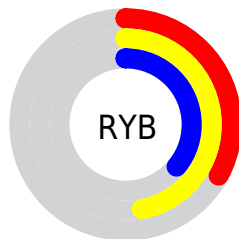
Distribution



Red (44%)

Green (47%)

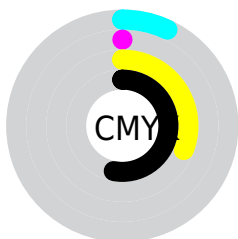
Blue (33%)



Red (33%)

Yellow (47%)

Blue (36%)

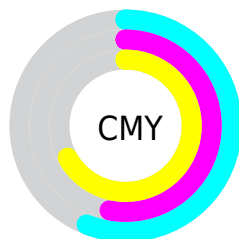


Cyan (7%)

Magenta (0%)

Yellow (31%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7440, 0.3456, 0.4066 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 17.7440, 0.3456, 0.4066 by changing the saturation by 10% instead.


 17.7440, 0.3456,
0.4066


 17.7440, 0.3456,
0.4066


239.4241, 0.3273,
0.3607


 10.7663, 0.3507,
0.4212


 39.6006, 0.3385,
0.3878


 5.9099, 0.3574,
0.4424

 55.2484, 0.3360,
0.3814


 2.7904, 0.3661,
0.4754

 74.5550, 0.3339,
0.3763

 1.0233, 0.4115,
0.5885

 97.9048, 0.3321,
0.3721

 0.0000, 0.0000,
0.0000

 125.6822, 0.3307,
0.3685

158.2716, 0.3294,

0.3655

196.0575, 0.3283,
0.3630

■ 17.7440, 0.3456,
0.4066

■ 17.7440, 0.3456,
0.4066

■ 17.3891, 0.3553,
0.4322

■ 18.1391, 0.3352,
0.3810

■ 17.0702, 0.3640,
0.4569

■ 18.5736, 0.3247,
0.3560

■ 16.7863, 0.3712,
0.4798

■ 19.0498, 0.3142,
0.3322

■ 16.5353, 0.3764,
0.4998

■ 19.5693, 0.3040,
0.3099

■ 16.3147, 0.3794,
0.5162

■ 20.1333, 0.2943,
0.2892

■ 16.1218, 0.3800,
0.5283

■ 20.7431, 0.2851,
0.2702

■ 15.9696, 0.3795,
0.5369

■ 21.4000, 0.2766,
0.2530

■ 22.1052, 0.2687,
0.2373

■ 22.8599, 0.2614,
0.2231

Harmonies

Analogous

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



17.7440, 0.3808, 0.3965



17.7440, 0.3456, 0.4066



17.7440, 0.3030, 0.3924

Triad

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



17.7440, 0.3456, 0.4066



17.7440, 0.2339, 0.2805



17.7440, 0.3607, 0.3019

Complementary

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



17.7440, 0.3456, 0.4066



9.8422, 0.2725, 0.2448

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.



17.7440, 0.3180, 0.2755



17.7440, 0.3456, 0.4066



17.7440, 0.2467, 0.2623

Square

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



17.7440, 0.3456, 0.4066



17.7440, 0.2402, 0.3145



17.7440, 0.2765, 0.2612



17.7440, 0.3908, 0.3353

Rectangle

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



17.7440, 0.3456, 0.4066



17.7440, 0.2764, 0.3703



17.7440, 0.2765, 0.2612



17.7440, 0.3471, 0.2920

Sweetspot

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



17.7448, 0.3456, 0.4066



33.4398, 0.3224, 0.3507



12.3211, 0.3741, 0.3476



7.6234, 0.3236, 0.3536



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.



17.7448, 0.3456, 0.4066



31.2895, 0.3530, 0.4260



16.6335, 0.3210, 0.4130



4.5884, 0.3222, 0.3504



17.1087, 0.3794, 0.5370



81.2067, 0.3773, 0.5386

Inverse Universe

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



9.8422, 0.2725, 0.2448



14.6716, 0.2606, 0.2215



10.9383, 0.3005, 0.2513



3.9351, 0.3027, 0.3072



1.7488, 0.1657, 0.0687



8.0086, 0.1617, 0.0665

Previews

White Background



This preview shows how the Yxy color 17.7440, 0.3456, 0.4066 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 17.7440, 0.3456, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

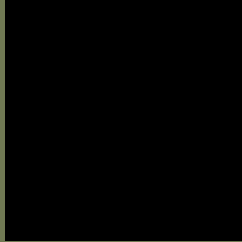
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

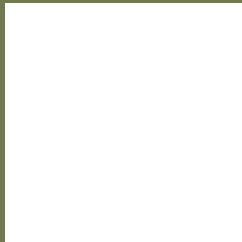
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.7440, 0.3456, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 17.7440, 0.3456, 0.4066.



This preview shows how white text looks on a background with the Yxy color 17.7440, 0.3456, 0.4066.

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

17.7440, 0.3456, 0.4066

Protanopia

17.7523, 0.3693, 0.3985

Deuteranopia

17.6475, 0.3843, 0.3785



Tritanopia

17.8230, 0.3047, 0.3118

Trichromacy



Original Color

17.7440, 0.3456, 0.4066

Protanomaly

17.6310, 0.3605, 0.4001

Deuteranomaly

17.5687, 0.3709, 0.3883

Tritanomaly

17.7957, 0.3196, 0.3448

Monochromacy



Original Color

17.7440, 0.3456, 0.4066

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2126, 0.3243, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7440, 0.3456, 0.4066 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, 121, 83)` looks like.

```
.text, #text, p{  
    color:rgb(112, 121, 83)  
}
```

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, 121, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 121, 83) }
```

Border

The CSS property to change the border of an element to Yxy 17.7440, 0.3456, 0.4066 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, 121, 83) }
```

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

```
.border{ border-color:rgb(112, 121, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 121, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 121, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 121, 83);  
box-shadow:4px 4px 4px 4px rgb(112, 121,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7440, 0.3456, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 121, 83) }
```

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

```
.background{ background-color: rgb(112,  
121, 83) }
```

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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