

Converting Colors

$Y_{xy}(17.4754, 0.3657, 0.4211)$

Have a look what the booklet for
Yxy(17.4754, 0.3657, 0.4211)
contains.

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Color

Yxy(17.4566, 0.3650, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	757749
RGB	117, 119, 73
RGB Percent	46%, 47%, 29%
CMY	0.5412, 0.5333, 0.7138
CMYK	0.02, 0.00, 0.39, 0.53
HSL	63°, 24%, 38%
HSV	63°, 39%, 47%
XYZ	15.1346, 17.4566, 8.8734
YIQ	113.1580, 13.5740, -14.7300

Conversions

Conversions Part 2

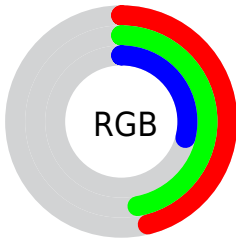
Format	Color
R_YB	73, 119, 75
Decimal	7698249
CIE Lab	48.83, -8.43, 25.07
CIE LCh	49, 26.446, 108.596
Yxy	17.4566, 0.3650, 0.4210
Android (android.graphics.Color)	4285888329 (0xFF757749)
YUV	113.1580, -19.7979, 3.3694
Hunter-Lab	41.7811, -8.4579, 16.6548

Details

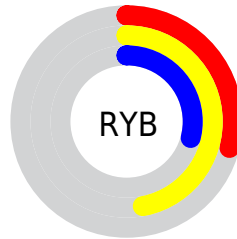
The Yxy color **17.4566, 0.3650, 0.4210** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5921, 0.2484, 0.2190**, and the grayscale version is **16.6196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0770, 0.3541, 0.3993**, and **5.8193, 0.3837, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **17.2784, 0.3774, 0.4433**, and if you desaturate by 10%, it is **17.6668, 0.3517, 0.3973**.

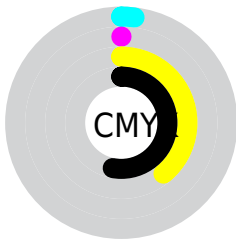
Distribution



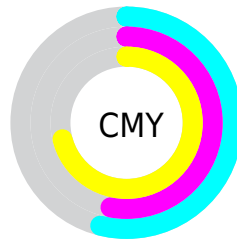
- Red (46%)
- Green (47%)
- Blue (29%)



- Red (29%)
- Yellow (47%)
- Blue (29%)



- Cyan (2%)
- Magenta (0%)
- Yellow (39%)
- Black (53%)





- Cyan (54%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4566, 0.3650, 0.4210 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 17.4566, 0.3650, 0.4210 by changing the saturation by 10% instead.


 17.4566, 0.3650,
0.4210


 17.4566, 0.3650,
0.4210


237.7901, 0.3358,
0.3670


 10.5606, 0.3731,
0.4378


 39.1092, 0.3537,
0.3991


 5.7722, 0.3836,
0.4614

 54.6345, 0.3496,
0.3916


 2.7071, 0.4015,
0.5024

 73.8051, 0.3463,
0.3855

 0.9808, 0.4244,
0.5756

 97.0053, 0.3435,
0.3805

 0.0000, 0.0000,
0.0000

 124.6195, 0.3411,
0.3763

157.0321, 0.3391,

0.3727

194.6275, 0.3373,
0.3697

■ 17.4566, 0.3650,
0.4210

■ 17.4566, 0.3650,
0.4210

■ 17.2784, 0.3774,
0.4433

■ 17.6668, 0.3517,
0.3973

■ 17.1281, 0.3883,
0.4635

■ 17.9082, 0.3380,
0.3732

■ 17.0046, 0.3975,
0.4806

■ 18.1831, 0.3243,
0.3492

■ 16.9057, 0.4043,
0.4941

■ 18.4928, 0.3110,
0.3260

■ 16.8290, 0.4089,
0.5036

■ 18.8388, 0.2982,
0.3039

■ 16.7672, 0.4116,
0.5102

■ 19.2222, 0.2862,
0.2832

■ 16.7590, 0.4120,
0.5111

■ 19.6441, 0.2750,
0.2640

■ 20.1059, 0.2647,
0.2465

■ 20.6084, 0.2552,
0.2304

Harmonies

Analogous

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



17.4566, 0.4022, 0.4003



17.4566, 0.3650, 0.4210



17.4566, 0.3155, 0.4140

Triad

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



17.4566, 0.3650, 0.4210



17.4566, 0.2199, 0.2809



17.4566, 0.3555, 0.2866

Complementary

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



17.4566, 0.3650, 0.4210



7.5921, 0.2484, 0.2190

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.



17.4566, 0.3031, 0.2596



17.4566, 0.3650, 0.4210



17.4566, 0.2283, 0.2542

Square

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



17.4566, 0.3650, 0.4210



17.4566, 0.2334, 0.3256



17.4566, 0.2574, 0.2477



17.4566, 0.3980, 0.3236

Rectangle

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



17.4566, 0.3650, 0.4210



17.4566, 0.2825, 0.3920



17.4566, 0.2574, 0.2477



17.4566, 0.3382, 0.2762

Sweetspot

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



17.4574, 0.3650, 0.4210



32.3712, 0.3293, 0.3579



9.3713, 0.4008, 0.3325



7.6600, 0.3306, 0.3602



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.



17.4574, 0.3650, 0.4210



30.9822, 0.3756, 0.4401



16.0803, 0.3342, 0.4312



4.2585, 0.3248, 0.3500



17.8026, 0.4120, 0.5111



86.6543, 0.4116, 0.5114

Inverse Universe

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



7.5921, 0.2484, 0.2190



10.7576, 0.2315, 0.1905



8.6668, 0.2821, 0.2285



3.5968, 0.3001, 0.3072



1.4496, 0.1522, 0.0612



6.9665, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 17.4566, 0.3650, 0.4210 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 17.4566, 0.3650, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

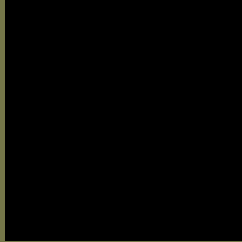
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4566, 0.3650, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 17.4566, 0.3650, 0.4210.



This preview shows how white text looks on a background with the Yxy color 17.4566, 0.3650, 0.4210.

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

17.4566, 0.3650, 0.4210

Protanopia

17.4707, 0.3823, 0.4131

Deuteranopia

17.4523, 0.4010, 0.3939



Tritanopia

17.4263, 0.3148, 0.3120

Trichromacy



Original Color

17.4566, 0.3650, 0.4210

Protanomaly

17.4014, 0.3759, 0.4167

Deuteranomaly

17.4346, 0.3885, 0.4039

Tritanomaly

17.3259, 0.3342, 0.3506

Monochromacy



Original Color

17.4566, 0.3650, 0.4210

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.7207, 0.3323, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4566, 0.3650, 0.4210 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(117, 119, 73)` looks like.

```
.text, #text, p{  
    color:rgb(117, 119, 73)  
}
```

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(117, 119, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 119, 73) }
```

Border

The CSS property to change the border of an element to Yxy 17.4566, 0.3650, 0.4210 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(117, 119, 73) }
```

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

```
.border{ border-color:rgb(117, 119, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 119, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 119, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 119, 73);  
box-shadow:4px 4px 4px 4px rgb(117, 119,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4566, 0.3650, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 119, 73) }
```

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

```
.background{ background-color: rgb(117,  
119, 73) }
```

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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