

Converting Colors

$Y_{xy}(17.3745, 0.3647, 0.4234)$

Have a look what the booklet for
Yxy(17.3745, 0.3647, 0.4234)
contains.

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Color

Yxy(17.3745, 0.3647, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	747748
RGB	116, 119, 72
RGB Percent	45%, 47%, 28%
CMY	0.5452, 0.5333, 0.7176
CMYK	0.03, 0.00, 0.40, 0.53
HSL	64°, 25%, 37%
HSV	64°, 40%, 47%
XYZ	14.9657, 17.3745, 8.6955
YIQ	112.7450, 13.2990, -15.2530

Conversions

Conversions Part 2

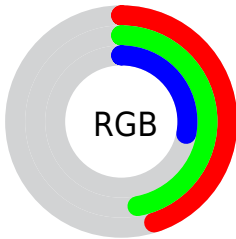
Format	Color
RYB	72, 119, 75
Decimal	7632712
CIELab	48.73, -9.01, 25.47
CIElCh	49, 27.019, 109.472
Yxy	17.3745, 0.3647, 0.4234
Android (android.graphics.Color)	4285822792 (0xFF747748)
YUV	112.7450, -20.0873, 2.8546
Hunter-Lab	41.6827, -8.8564, 16.8094

Details

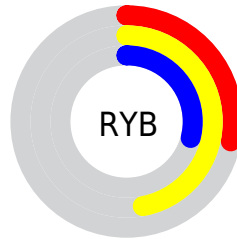
The Yxy color **17.3745, 0.3647, 0.4234** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.4646, 0.2482, 0.2166**, and the grayscale version is **16.4906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9413, 0.3540, 0.4010**, and **5.7789, 0.3829, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **17.1821, 0.3766, 0.4459**, and if you desaturate by 10%, it is **17.5990, 0.3518, 0.3996**.

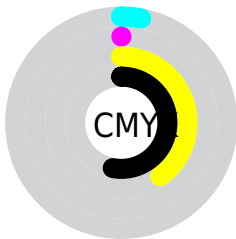
Distribution



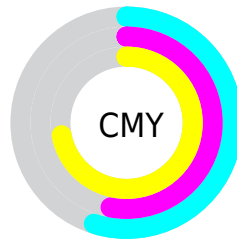
- Red (45%)
- Green (47%)
- Blue (28%)



- Red (28%)
- Yellow (47%)
- Blue (29%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)




- Cyan (55%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3745, 0.3647, 0.4234 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 17.3745, 0.3647, 0.4234 by changing the saturation by 10% instead.


 17.3745, 0.3647,
0.4234


 17.3745, 0.3647,
0.4234


237.3214, 0.3357,
0.3679


 10.5019, 0.3727,
0.4407


 38.9686, 0.3535,
0.4009


 5.7330, 0.3829,
0.4650

 54.4588, 0.3495,
0.3931


 2.6834, 0.4012,
0.5085

 73.5903, 0.3462,
0.3869

 0.9688, 0.4190,
0.5810

 96.7475, 0.3434,
0.3818

 0.0000, 0.0000,
0.0000

 124.3148, 0.3410,
0.3774

156.6767, 0.3390,

0.3738

194.2174, 0.3372,
0.3706

■ 17.3745, 0.3647,
0.4234

■ 17.3745, 0.3647,
0.4234

■ 17.1821, 0.3766,
0.4459

■ 17.5990, 0.3518,
0.3996

■ 17.0177, 0.3871,
0.4662

■ 17.8548, 0.3385,
0.3753

■ 16.8801, 0.3957,
0.4834

■ 18.1442, 0.3251,
0.3512

■ 16.7673, 0.4020,
0.4970

■ 18.4687, 0.3121,
0.3279

■ 16.6766, 0.4060,
0.5066

■ 18.8294, 0.2995,
0.3057

■ 16.5997, 0.4084,
0.5135

■ 19.2278, 0.2877,
0.2849

■ 16.5959, 0.4085,
0.5139

■ 19.6648, 0.2767,
0.2657

■ 20.1418, 0.2665,
0.2481

■ 20.6598, 0.2572,
0.2320

Harmonies

Analogous

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



17.3745, 0.4034, 0.4027



17.3745, 0.3647, 0.4234



17.3745, 0.3139, 0.4154

Triad

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



17.3745, 0.3647, 0.4234



17.3745, 0.2179, 0.2786



17.3745, 0.3579, 0.2867

Complementary

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



17.3745, 0.3647, 0.4234



7.4646, 0.2482, 0.2166

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.



17.3745, 0.3044, 0.2588



17.3745, 0.3647, 0.4234



17.3745, 0.2271, 0.2521

Square

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



17.3745, 0.3647, 0.4234



17.3745, 0.2310, 0.3239



17.3745, 0.2573, 0.2461



17.3745, 0.4009, 0.3245

Rectangle

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



17.3745, 0.3647, 0.4234



17.3745, 0.2803, 0.3923



17.3745, 0.2573, 0.2461



17.3745, 0.3403, 0.2760

Sweetspot

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



17.3753, 0.3647, 0.4234



32.3325, 0.3289, 0.3579



9.3352, 0.4029, 0.3343



7.6501, 0.3302, 0.3603



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.



17.3753, 0.3647, 0.4234



30.8037, 0.3751, 0.4430



15.9998, 0.3336, 0.4340



4.2548, 0.3245, 0.3500



17.6266, 0.4084, 0.5139



85.7530, 0.4078, 0.5144

Inverse Universe

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



7.4646, 0.2482, 0.2166



10.5212, 0.2311, 0.1876



8.5556, 0.2825, 0.2265



3.6002, 0.3004, 0.3072



1.4662, 0.1532, 0.0618



7.0077, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 17.3745, 0.3647, 0.4234 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 17.3745, 0.3647, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

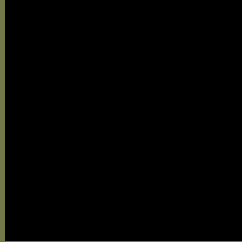
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3745, 0.3647, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 17.3745, 0.3647, 0.4234.



This preview shows how white text looks on a background with the Yxy color 17.3745, 0.3647, 0.4234.

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

17.3745, 0.3647, 0.4234

Protanopia

17.3813, 0.3821, 0.4154

Deuteranopia

17.3523, 0.4009, 0.3960



Tritanopia

17.3530, 0.3135, 0.3119

Trichromacy



Original Color

17.3745, 0.3647, 0.4234

Protanomaly

17.3151, 0.3757, 0.4190

Deuteranomaly

17.3410, 0.3883, 0.4061

Tritanomaly

17.2540, 0.3329, 0.3507

Monochromacy



Original Color

17.3745, 0.3647, 0.4234

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 17.3745, 0.3647, 0.4234 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(116, 119, 72)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 72)  
}
```

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(116, 119, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 72) }
```

Border

The CSS property to change the border of an element to Yxy 17.3745, 0.3647, 0.4234 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(116, 119, 72) }
```

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

```
.border{ border-color:rgb(116, 119, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 119, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 72);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3745, 0.3647, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 72) }
```

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

```
.background{ background-color: rgb(116,  
119, 72) }
```

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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