

Converting Colors

$Y_{xy}(16.5575, 0.3270, 0.3338)$

Have a look what the booklet for
Yxy(16.5575, 0.3270, 0.3338)
contains.

Yxy(16.4661, 0.3274, 0.3330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4661, 0.3274, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	786F6D
RGB	120, 111, 109
RGB Percent	47%, 44%, 43%
CMY	0.5295, 0.5647, 0.5726
CMYK	0.00, 0.07, 0.09, 0.53
HSL	11°, 5%, 45%
HSV	11°, 9%, 47%
XYZ	16.1892, 16.4661, 16.7925
YIQ	113.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

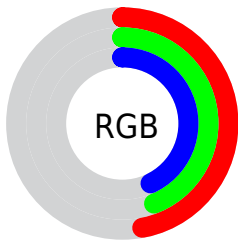
Format	Color
R_{YB}	120, 111, 109
Decimal	7892845
CIE _{Lab}	47.58, 3.11, 2.37
CIE _{LCh}	48, 3.907, 37.282
Yxy	16.4661, 0.3274, 0.3330
Android (android.graphics.Color)	4286082925 (0xFF786F6D)
YUV	113.4630, -2.2003, 5.7329
Hunter-Lab	40.5784, 0.2022, 3.8691

Details

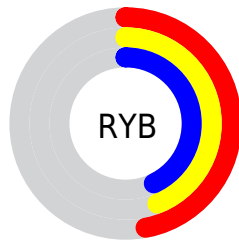
The Yxy color **16.4661, 0.3274, 0.3330** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5592, 0.2993, 0.3250**, and the grayscale version is **16.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5031, 0.3240, 0.3333**, and **5.2805, 0.3346, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **14.2018, 0.3465, 0.3377**, and if you desaturate by 10%, it is **19.0021, 0.3115, 0.3286**.

Distribution



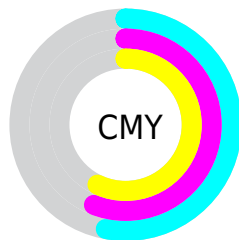
- Red (47%)
- Green (44%)
- Blue (43%)



- Red (47%)
- Yellow (44%)
- Blue (43%)



- Cyan (0%)
- Magenta (7%)
- Yellow (9%)
- Black (53%)



- Cyan (53%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4661, 0.3274, 0.3330 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 16.4661, 0.3274, 0.3330 by changing the saturation by 10% instead.

■ 16.4661, 0.3274,
0.3330

■ 16.4661, 0.3274,
0.3330

232.0766, 0.3188,
0.3307

■ 9.8546, 0.3302,
0.3337

■ 37.4055, 0.3239,
0.3321

■ 5.3026, 0.3342,
0.3347

■ 52.5022, 0.3227,
0.3318

■ 2.4259, 0.3407,
0.3363

■ 71.1960, 0.3217,
0.3315

■ 0.8392, 0.3551,
0.3409

■ 93.8714, 0.3209,
0.3313

■ 0.0000, 0.0000,
0.0000

120.9128, 0.3203,
0.3311

152.7045, 0.3197,

0.3310

189.6310, 0.3192,
0.3308

■ 16.4661, 0.3274,
0.3330

■ 16.4661, 0.3274,
0.3330

■ 14.2018, 0.3465,
0.3377

■ 19.0021, 0.3115,
0.3286

■ 12.1980, 0.3695,
0.3425

■ 21.8162, 0.2982,
0.3246

■ 10.4461, 0.3968,
0.3474

■ 24.9173, 0.2872,
0.3210

■ 8.9359, 0.4289,
0.3519

■ 28.3131, 0.2779,
0.3176

■ 7.6568, 0.4653,
0.3556

■ 32.0113, 0.2701,
0.3146

■ 6.5971, 0.5050,
0.3577

■ 36.0191, 0.2634,
0.3118

■ 5.7444, 0.5451,
0.3574

■ 40.3435, 0.2578,
0.3093

■ 5.0847, 0.5815,
0.3542

■ 44.9914, 0.2529,
0.3070

■ 4.5975, 0.6127,
0.3499

■ 49.9691, 0.2487,
0.3050

Harmonies

Analogous

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



16.4661, 0.3234, 0.3262



16.4661, 0.3274, 0.3330



16.4661, 0.3274, 0.3388

Triad

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



16.4661, 0.3274, 0.3330



16.4661, 0.3088, 0.3381



16.4661, 0.3020, 0.3160

Complementary

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



16.4661, 0.3274, 0.3330



17.5592, 0.2993, 0.3250

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.



16.4661, 0.2982, 0.3190



16.4661, 0.3274, 0.3330



16.4661, 0.3021, 0.3317

Square

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



16.4661, 0.3274, 0.3330



16.4661, 0.3166, 0.3419



16.4661, 0.2983, 0.3247



16.4661, 0.3087, 0.3165

Rectangle

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



16.4661, 0.3274, 0.3330



16.4661, 0.3252, 0.3414



16.4661, 0.2983, 0.3247



16.4661, 0.3004, 0.3167

Sweetspot

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



16.4668, 0.3274, 0.3330



31.6246, 0.3174, 0.3303



16.2410, 0.3160, 0.3112



7.4180, 0.3185, 0.3306



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.



16.4668, 0.3274, 0.3330



28.0881, 0.3311, 0.3340



17.6623, 0.3263, 0.3433



4.1227, 0.3273, 0.3330



4.9624, 0.6159, 0.3492



22.7441, 0.6233, 0.3433

Inverse Universe

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



17.5592, 0.2993, 0.3250



30.4200, 0.2962, 0.3240



16.3419, 0.2993, 0.3142



4.3938, 0.2994, 0.3250



11.0049, 0.2088, 0.2715



51.3517, 0.2079, 0.2683

Previews

White Background



This preview shows how the Yxy color 16.4661, 0.3274, 0.3330 looks on a white background.

Color Contrast Check

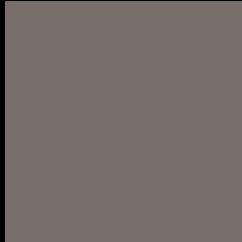
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4661, 0.3274, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

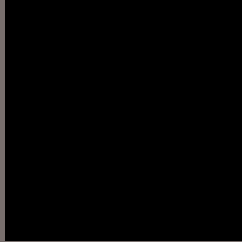
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4661, 0.3274, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 16.4661, 0.3274, 0.3330.



This preview shows how white text looks on a background with the Yxy color 16.4661, 0.3274, 0.3330.

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

16.4661, 0.3274, 0.3330

Protanopia

16.4271, 0.3205, 0.3330

Deuteranopia

16.4014, 0.3348, 0.3291



Tritanopia

16.5248, 0.3175, 0.3135

Trichromacy



Original Color

16.4661, 0.3274, 0.3330

Protanomaly

16.4960, 0.3219, 0.3330

Deuteranomaly

16.4669, 0.3318, 0.3310

Tritanomaly

16.4546, 0.3213, 0.3193

Monochromacy



Original Color

16.4661, 0.3274, 0.3330

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4712, 0.3180, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4661, 0.3274, 0.3330 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(120, 111, 109)` looks like.

```
.text, #text, p{  
    color:rgb(120, 111, 109)  
}
```

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(120, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 111, 109) }
```

Border

The CSS property to change the border of an element to Yxy 16.4661, 0.3274, 0.3330 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(120, 111, 109) }
```

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

```
.border{ border-color:rgb(120, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(120, 111,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4661, 0.3274, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 111, 109) }
```

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

```
.background{ background-color: rgb(120,  
111, 109) }
```

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