

Converting Colors

$Y_{xy}(16.9864, 0.3096, 0.3233)$

Have a look what the booklet for
Yxy(16.9864, 0.3096, 0.3233)
contains.

Yxy(16.9638, 0.3104, 0.3231)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9638, 0.3104, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	737275
RGB	115, 114, 117
RGB Percent	45%, 45%, 46%
CMY	0.5491, 0.5529, 0.5412
CMYK	0.02, 0.03, 0.00, 0.54
HSL	260°, 1%, 45%
HSV	260°, 3%, 46%
XYZ	16.2970, 16.9638, 19.2424
YIQ	114.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

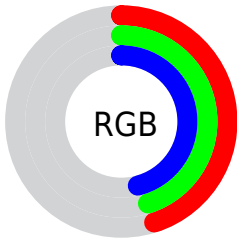
Format	Color
R_{YB}	115, 114, 117
Decimal	7565941
CIE Lab	48.21, 0.99, -1.52
CIE LCh	48, 1.814, 303.029
Yxy	16.9638, 0.3104, 0.3231
Android (android.graphics.Color)	4285756021 (0xFF737275)
YUV	114.6410, 1.1630, 0.3148
Hunter-Lab	41.1871, -1.4482, 1.1310

Details

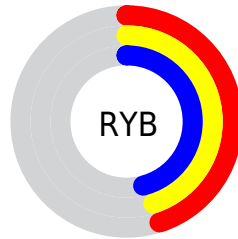
The Yxy color **16.9638, 0.3104, 0.3231** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6495, 0.3150, 0.3349**, and the grayscale version is **17.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3525, 0.3111, 0.3248**, and **5.5194, 0.3090, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **13.9823, 0.3005, 0.2985**, and if you desaturate by 10%, it is **20.3296, 0.3190, 0.3453**.

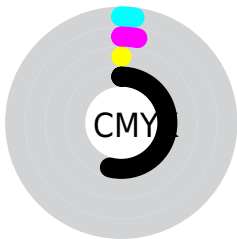
Distribution



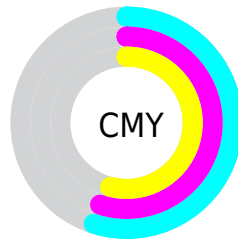
- Red (45%)
- Green (45%)
- Blue (46%)



- Red (45%)
- Yellow (45%)
- Blue (46%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (54%)



- Cyan (55%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9638, 0.3104, 0.3231 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 16.9638, 0.3104, 0.3231 by changing the saturation by 10% instead.

■ 16.9638, 0.3104,
0.3231

■ 16.9638, 0.3104,
0.3231

■ 234.9637, 0.3118,
0.3265

■ 10.2087, 0.3100,
0.3220

■ 38.2635, 0.3110,
0.3245

■ 5.5375, 0.3093,
0.3204

■ 53.5769, 0.3111,
0.3250

■ 2.5660, 0.3083,
0.3180

■ 72.5119, 0.3113,
0.3254

■ 0.9096, 0.3065,
0.3135

■ 95.4528, 0.3114,
0.3257

■ 0.0000, 0.0000,
0.0000

■ 122.7840, 0.3115,
0.3260

■ 154.8900, 0.3116,

0.3262

192.1551, 0.3117,
0.3264

■ 16.9638, 0.3104,
0.3231

■ 16.9638, 0.3104,
0.3231

■ 13.9823, 0.3005,
0.2985

■ 20.3296, 0.3190,
0.3453

■ 11.3692, 0.2890,
0.2717

■ 24.0908, 0.3263,
0.3652

■ 9.1104, 0.2762,
0.2429

■ 28.2604, 0.3326,
0.3830

■ 7.1904, 0.2620,
0.2128

■ 32.8504, 0.3379,
0.3987

■ 5.5922, 0.2466,
0.1824

■ 37.8723, 0.3424,
0.4126

■ 4.2976, 0.2307,
0.1530

■ 43.3370, 0.3462,
0.4250

■ 3.2863, 0.2149,
0.1261

■ 49.2551, 0.3494,
0.4359

■ 2.5354, 0.1999,
0.1035

■ 55.6370, 0.3522,
0.4456

■ 2.0174, 0.1866,
0.0863

■ 62.4924, 0.3545,
0.4542

Harmonies

Analogous

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



16.9638, 0.3075, 0.3231



16.9638, 0.3104, 0.3231



16.9638, 0.3140, 0.3246

Triad

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



16.9638, 0.3104, 0.3231



16.9638, 0.3196, 0.3332



16.9638, 0.3082, 0.3307

Complementary

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



16.9638, 0.3104, 0.3231



17.6495, 0.3150, 0.3349

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.



16.9638, 0.3114, 0.3335



16.9638, 0.3104, 0.3231



16.9638, 0.3180, 0.3349

Square

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



16.9638, 0.3104, 0.3231



16.9638, 0.3193, 0.3305



16.9638, 0.3150, 0.3350



16.9638, 0.3062, 0.3275

Rectangle

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



16.9638, 0.3104, 0.3231



16.9638, 0.3162, 0.3263



16.9638, 0.3150, 0.3350



16.9638, 0.3092, 0.3317

Sweetspot

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



16.9645, 0.3104, 0.3231



31.2576, 0.3118, 0.3266



17.3637, 0.3090, 0.3271



7.1972, 0.3119, 0.3268



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9645, 0.3104, 0.3231



30.0852, 0.3099, 0.3219



17.0639, 0.3123, 0.3231



4.0422, 0.3094, 0.3206



1.8727, 0.1772, 0.0750



8.7044, 0.1723, 0.0723

Inverse Universe

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



17.0787, 0.3142, 0.3251



30.3312, 0.3145, 0.3243



17.5506, 0.3131, 0.3349



4.0813, 0.3148, 0.3234



4.7772, 0.4214, 0.2095



23.1168, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 16.9638, 0.3104, 0.3231 looks on a white background.

Color Contrast Check

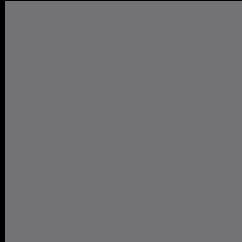
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9638, 0.3104, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

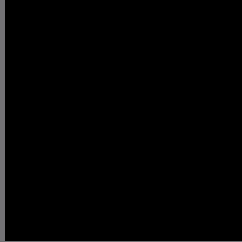
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

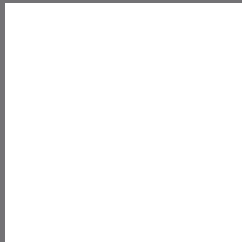
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9638, 0.3104, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 16.9638, 0.3104, 0.3231.



This preview shows how white text looks on a background with the Yxy color 16.9638, 0.3104, 0.3231.

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

16.9638, 0.3104, 0.3231

Protanopia

17.0320, 0.3117, 0.3231

Deuteranopia

16.9620, 0.3213, 0.3157



Tritanopia

16.9284, 0.3058, 0.3115

Trichromacy

**Original Color**

16.9638, 0.3104, 0.3231

Protanomaly

17.0320, 0.3117, 0.3231

Deuteranomaly

16.9613, 0.3172, 0.3174

Tritanomaly

16.8793, 0.3082, 0.3153

Monochromacy

**Original Color**

16.9638, 0.3104, 0.3231

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1673, 0.3115, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9638, 0.3104, 0.3231 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(115, 114, 117)` looks like.

```
.text, #text, p{  
    color:rgb(115, 114, 117)  
}
```

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(115, 114, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 114, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.9638, 0.3104, 0.3231 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(115, 114, 117) }
```

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

```
.border{ border-color:rgb(115, 114, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 114, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 114, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 114, 117);  
box-shadow:4px 4px 4px 4px rgb(115, 114,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9638, 0.3104, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 114, 117) }
```

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

```
.background{ background-color: rgb(115,  
114, 117) }
```

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