

Converting Colors

$Y_{xy}(15.9936, 0.3124, 0.3123)$

Have a look what the booklet for
Yxy(15.9936, 0.3124, 0.3123)
contains.

Yxy(16.0035, 0.3135, 0.3132)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0035, 0.3135, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	756D75
RGB	117, 109, 117
RGB Percent	46%, 43%, 46%
CMY	0.5410, 0.5726, 0.5412
CMYK	0.00, 0.07, 0.00, 0.54
HSL	300°, 4%, 44%
HSV	300°, 7%, 46%
XYZ	16.0188, 16.0035, 19.0744
YIQ	112.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

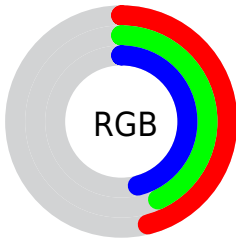
Format	Color
RYB	117, 109, 117
Decimal	7695733
CIELab	46.98, 4.72, -3.32
CIElCh	47, 5.776, 324.874
Yxy	16.0035, 0.3135, 0.3132
Android (android.graphics.Color)	4285885813 (0xFF756D75)
YUV	112.3040, 2.3151, 4.1184
Hunter-Lab	40.0044, 1.4686, -0.2669

Details

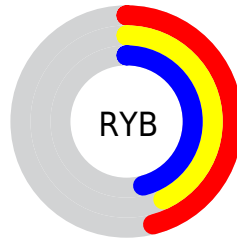
The Yxy color **16.0035, 0.3135, 0.3132** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0856, 0.3119, 0.3453**, and the grayscale version is **16.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4412, 0.3133, 0.3163**, and **5.1401, 0.3137, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **13.6704, 0.3147, 0.2897**, and if you desaturate by 10%, it is **18.6705, 0.3124, 0.3361**.

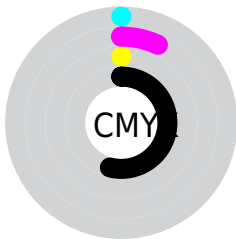
Distribution



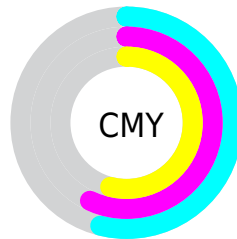
- Red (46%)
- Green (43%)
- Blue (46%)



- Red (46%)
- Yellow (43%)
- Blue (46%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (54%)




- Cyan (54%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0035, 0.3135, 0.3132 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 16.0035, 0.3135, 0.3132 by changing the saturation by 10% instead.


 16.0035, 0.3135,
0.3132


 16.0035, 0.3135,
0.3132


229.3624, 0.3131,
0.3224


 9.5266, 0.3136,
0.3103


 36.6043, 0.3133,
0.3169


 5.0862, 0.3138,
0.3061


 51.4970, 0.3133,
0.3182

 2.2980, 0.3139,
0.2994

 69.9637, 0.3132,
0.3193

 0.7726, 0.3147,
0.2861

 92.3890, 0.3132,
0.3201

 0.0000, 0.0000,
0.0000

119.1571, 0.3132,
0.3208

150.6524, 0.3131,

0.3214

187.2594, 0.3131,
0.3220

■ 16.0035, 0.3135,
0.3132

■ 16.0035, 0.3135,
0.3132

■ 13.6704, 0.3147,
0.2897

■ 18.6705, 0.3124,
0.3361

■ 11.6560, 0.3159,
0.2660

■ 21.6816, 0.3113,
0.3578

■ 9.9472, 0.3170,
0.2429

■ 25.0493, 0.3103,
0.3783

■ 8.5290, 0.3182,
0.2211

■ 28.7846, 0.3094,
0.3972

■ 7.3852, 0.3192,
0.2015

■ 32.8982, 0.3085,
0.4147

■ 6.4982, 0.3201,
0.1848

■ 37.4003, 0.3078,
0.4306

■ 5.8480, 0.3208,
0.1717

■ 42.3008, 0.3071,
0.4451

■ 5.4120, 0.3214,
0.1625

■ 47.6092, 0.3064,
0.4582

■ 5.1383, 0.3217,
0.1565

■ 53.3346, 0.3059,
0.4701

Harmonies

Analogous

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



16.0035, 0.3022, 0.3096



16.0035, 0.3135, 0.3132



16.0035, 0.3248, 0.3209

Triad

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



16.0035, 0.3135, 0.3132



16.0035, 0.3318, 0.3471



16.0035, 0.2930, 0.3268

Complementary

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



16.0035, 0.3135, 0.3132



17.0856, 0.3119, 0.3453

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.



16.0035, 0.3006, 0.3373



16.0035, 0.3135, 0.3132



16.0035, 0.3231, 0.3492

Square

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



16.0035, 0.3135, 0.3132



16.0035, 0.3355, 0.3403



16.0035, 0.3116, 0.3456



16.0035, 0.2905, 0.3171

Rectangle

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



16.0035, 0.3135, 0.3132



16.0035, 0.3307, 0.3273



16.0035, 0.3116, 0.3456



16.0035, 0.2950, 0.3304

Sweetspot

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



16.0042, 0.3135, 0.3132



30.8654, 0.3129, 0.3243



15.4715, 0.3028, 0.3126



7.1138, 0.3129, 0.3247



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.



16.0042, 0.3135, 0.3132



28.0497, 0.3137, 0.3101



15.9123, 0.3185, 0.3210



3.7577, 0.3138, 0.3081



5.5699, 0.3219, 0.1547



27.1397, 0.3219, 0.1547

Inverse Universe

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



16.0042, 0.3135, 0.3132



28.0497, 0.3137, 0.3101



17.1735, 0.3073, 0.3371



3.7577, 0.3138, 0.3081



5.5699, 0.3219, 0.1547



27.1397, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 16.0035, 0.3135, 0.3132 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 16.0035, 0.3135, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

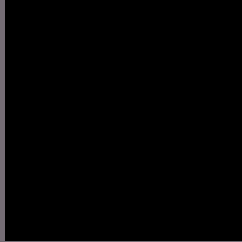
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0035, 0.3135, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 16.0035, 0.3135, 0.3132.



This preview shows how white text looks on a background with the Yxy color 16.0035, 0.3135, 0.3132.

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

16.0035, 0.3135, 0.3132

Protanopia

16.0564, 0.3042, 0.3149

Deuteranopia

16.0025, 0.3176, 0.3115



Tritanopia

16.0035, 0.3135, 0.3132

Trichromacy



Original Color

16.0035, 0.3135, 0.3132

Protanomaly

15.9706, 0.3068, 0.3130

Deuteranomaly

15.9314, 0.3163, 0.3114

Tritanomaly

16.0035, 0.3135, 0.3132

Monochromacy



Original Color

16.0035, 0.3135, 0.3132

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1612, 0.3130, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0035, 0.3135, 0.3132 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, 109, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 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(117, 109, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.0035, 0.3135, 0.3132 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, 109, 117) }
```

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

```
.border{ border-color:rgb(117, 109, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 109, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 109, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 109, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 109,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0035, 0.3135, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 117) }
```

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

```
.background{ background-color: rgb(117,  
109, 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