

Converting Colors

$Y_{xy}(16.3841, 0.3112, 0.3202)$

Have a look what the booklet for
Yxy(16.3841, 0.3112, 0.3202)
contains.

Yxy(16.4941, 0.3118, 0.3211)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4941, 0.3118, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	737074
RGB	115, 112, 116
RGB Percent	45%, 44%, 45%
CMY	0.5490, 0.5608, 0.5452
CMYK	0.01, 0.03, 0.00, 0.55
HSL	285°, 2%, 45%
HSV	285°, 3%, 45%
XYZ	16.0164, 16.4941, 18.8570
YIQ	113.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

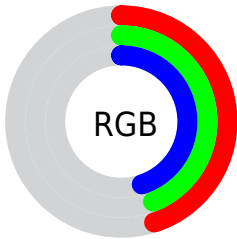
Format	Color
RYB	115, 112, 116
Decimal	7565428
CIELab	47.62, 1.96, -1.80
CIELCh	48, 2.663, 317.524
Yxy	16.4941, 0.3118, 0.3211
Android (android.graphics.Color)	4285755508 (0xFF737074)
YUV	113.3530, 1.3050, 1.4444
Hunter-Lab	40.6129, -0.6782, 0.9001

Details

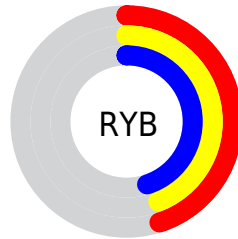
The Yxy color **16.4941, 0.3118, 0.3211** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1661, 0.3136, 0.3370**, and the grayscale version is **16.6200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5936, 0.3120, 0.3233**, and **5.2774, 0.3112, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **13.9078, 0.3088, 0.2972**, and if you desaturate by 10%, it is **19.4175, 0.3143, 0.3436**.

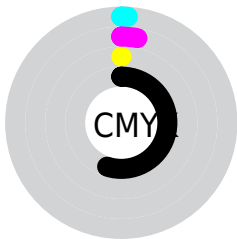
Distribution



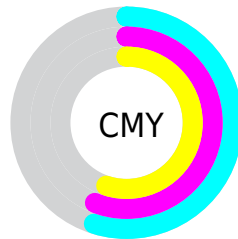
- Red (45%)
- Green (44%)
- Blue (45%)



- Red (45%)
- Yellow (44%)
- Blue (45%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4941, 0.3118, 0.3211 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 16.4941, 0.3118, 0.3211 by changing the saturation by 10% instead.

■ 16.4941, 0.3118,
0.3211

■ 16.4941, 0.3118,
0.3211

■ 232.2399, 0.3124,
0.3257

■ 9.8745, 0.3116,
0.3196

■ 37.4539, 0.3120,
0.3230

■ 5.3158, 0.3114,
0.3175

■ 52.5628, 0.3121,
0.3236

■ 2.4337, 0.3109,
0.3142

■ 71.2703, 0.3122,
0.3241

■ 0.8432, 0.3102,
0.3079

■ 93.9608, 0.3122,
0.3246

■ 0.0000, 0.0000,
0.0000

■ 121.0185, 0.3123,
0.3249

■ 152.8281, 0.3123,

0.3252

189.7737, 0.3123,
0.3255

■ 16.4941, 0.3118,
0.3211

■ 16.4941, 0.3118,
0.3211

■ 13.9078, 0.3088,
0.2972

■ 19.4175, 0.3143,
0.3436

■ 11.6440, 0.3052,
0.2722

■ 22.6877, 0.3163,
0.3646

■ 9.6900, 0.3009,
0.2467

■ 26.3169, 0.3180,
0.3838

■ 8.0315, 0.2961,
0.2214

■ 30.3156, 0.3192,
0.4014

■ 6.6531, 0.2907,
0.1971

■ 34.6944, 0.3202,
0.4174

■ 5.5380, 0.2849,
0.1749

■ 39.4631, 0.3209,
0.4319

■ 4.6675, 0.2787,
0.1555

■ 44.6312, 0.3215,
0.4449

■ 4.0203, 0.2724,
0.1400

■ 50.2079, 0.3218,
0.4567

■ 3.5682, 0.2661,
0.1285

■ 56.2023, 0.3221,
0.4674

Harmonies

Analogous

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



16.4941, 0.3068, 0.3200



16.4941, 0.3118, 0.3211



16.4941, 0.3171, 0.3243

Triad

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



16.4941, 0.3118, 0.3211



16.4941, 0.3221, 0.3367



16.4941, 0.3043, 0.3293

Complementary

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



16.4941, 0.3118, 0.3211



17.1661, 0.3136, 0.3370

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.



16.4941, 0.3084, 0.3338



16.4941, 0.3118, 0.3211



16.4941, 0.3186, 0.3382

Square

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



16.4941, 0.3118, 0.3211



16.4941, 0.3230, 0.3333



16.4941, 0.3136, 0.3371



16.4941, 0.3025, 0.3246

Rectangle

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



16.4941, 0.3118, 0.3211



16.4941, 0.3200, 0.3272



16.4941, 0.3136, 0.3371



16.4941, 0.3055, 0.3308

Sweetspot

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



16.4948, 0.3118, 0.3211



30.1859, 0.3124, 0.3267



16.5153, 0.3078, 0.3230



7.2105, 0.3125, 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.



16.4948, 0.3118, 0.3211



28.6811, 0.3116, 0.3195



16.5384, 0.3143, 0.3231



4.0106, 0.3115, 0.3186



3.7081, 0.2616, 0.1215



17.6550, 0.2583, 0.1197

Inverse Universe

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



16.4927, 0.3168, 0.3271



28.6770, 0.3176, 0.3267



17.1240, 0.3112, 0.3350



4.0100, 0.3181, 0.3264



4.2609, 0.5860, 0.3002



20.6464, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 16.4941, 0.3118, 0.3211 looks on a white background.

Color Contrast Check

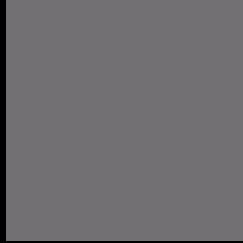
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4941, 0.3118, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

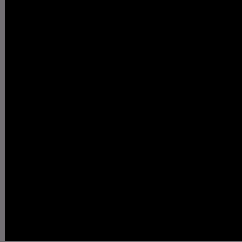
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

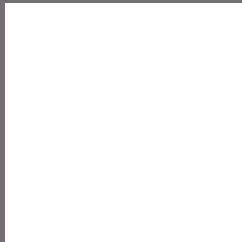
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4941, 0.3118, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 16.4941, 0.3118, 0.3211.



This preview shows how white text looks on a background with the Yxy color 16.4941, 0.3118, 0.3211.

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

16.4941, 0.3118, 0.3211

Protanopia

16.4267, 0.3105, 0.3210

Deuteranopia

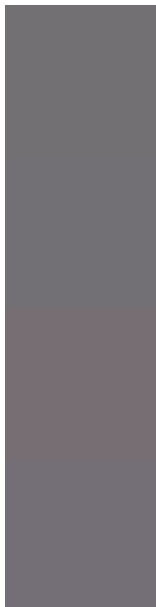
16.3358, 0.3215, 0.3155



Tritanopia

16.4379, 0.3083, 0.3113

Trichromacy



Original Color

16.4941, 0.3118, 0.3211

Protanomaly

16.4267, 0.3105, 0.3210

Deuteranomaly

16.3348, 0.3173, 0.3173

Tritanomaly

16.4138, 0.3095, 0.3133

Monochromacy



Original Color

16.4941, 0.3118, 0.3211

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6026, 0.3128, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4941, 0.3118, 0.3211 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, 112, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 112, 116)  
}
```

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, 112, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 112, 116) }
```

Border

The CSS property to change the border of an element to Yxy 16.4941, 0.3118, 0.3211 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, 112, 116) }
```

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

```
.border{ border-color:rgb(115, 112, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 112, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 112, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 112, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 112,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4941, 0.3118, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 112, 116) }
```

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

```
.background{ background-color: rgb(115,  
112, 116) }
```

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