

Converting Colors

$Y_{xy}(18.4992, 0.2962, 0.3017)$

Have a look what the booklet for
Yxy(18.4992, 0.2962, 0.3017)
contains.

Yxy(18.5019, 0.2957, 0.3009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5019, 0.2957, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	767685
RGB	118, 118, 133
RGB Percent	46%, 46%, 52%
CMY	0.5373, 0.5372, 0.4784
CMYK	0.11, 0.11, 0.00, 0.48
HSL	240°, 6%, 49%
HSV	240°, 11%, 52%
XYZ	18.1822, 18.5019, 24.8045
YIQ	119.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

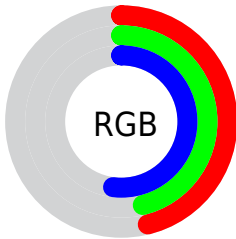
Format	Color
R_{YB}	118, 118, 133
Decimal	7763589
CIE _{Lab}	50.10, 3.19, -8.18
CIE _{LCh}	50, 8.782, 291.274
Yxy	18.5019, 0.2957, 0.3009
Android (android.graphics.Color)	4285953669 (0xFF767685)
YUV	119.7100, 6.5520, -1.4997
Hunter-Lab	43.0138, 0.1786, -4.0806

Details

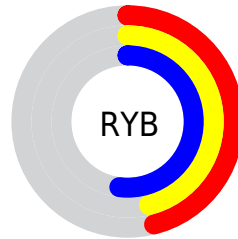
The Yxy color **18.5019, 0.2957, 0.3009** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.0658, 0.3288, 0.3556**, and the grayscale version is **18.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8407, 0.2996, 0.3073**, and **6.3225, 0.2882, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **14.7246, 0.2786, 0.2726**, and if you desaturate by 10%, it is **22.8527, 0.3109, 0.3260**.

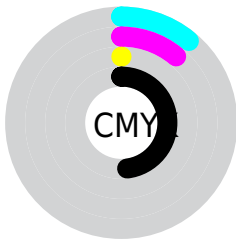
Distribution



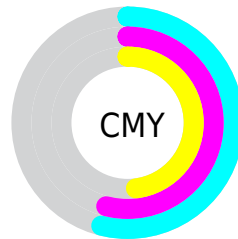
- Red (46%)
- Green (46%)
- Blue (52%)



- Red (46%)
- Yellow (46%)
- Blue (52%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)



- Cyan (54%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5019, 0.2957, 0.3009 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 18.5019, 0.2957, 0.3009 by changing the saturation by 10% instead.

■ 18.5019, 0.2957,
0.3009

■ 18.5019, 0.2957,
0.3009

243.6850, 0.3055,
0.3169

■ 11.3109, 0.2927,
0.2961

■ 40.8907, 0.2997,
0.3073

■ 6.2764, 0.2883,
0.2892

■ 56.8573, 0.3010,
0.3095

■ 3.0139, 0.2816,
0.2788

■ 76.5180, 0.3021,
0.3113

■ 1.1390, 0.2698,
0.2610

100.2570, 0.3030,
0.3128

■ 0.0110, 0.1291,
0.0161

128.4588, 0.3038,
0.3141

■ 0.0000, 0.0000,
0.0000

161.5078, 0.3045,

0.3152

199.7884, 0.3050,
0.3161

■ 18.5019, 0.2957,
0.3009

■ 18.5019, 0.2957,
0.3009

■ 14.7246, 0.2786,
0.2726

■ 22.8527, 0.3109,
0.3260

■ 11.4948, 0.2597,
0.2414

■ 27.7971, 0.3242,
0.3479

■ 8.7877, 0.2394,
0.2079

■ 33.3570, 0.3357,
0.3670

■ 6.5758, 0.2186,
0.1736

■ 39.5526, 0.3457,
0.3834

■ 4.8293, 0.1985,
0.1403

■ 46.4031, 0.3542,
0.3976

■ 3.5148, 0.1805,
0.1104

■ 53.9270, 0.3616,
0.4097

■ 2.5948, 0.1660,
0.0865

■ 62.1419, 0.3680,
0.4202

■ 2.0253, 0.1561,
0.0701

■ 71.0649, 0.3735,
0.4293

■ 1.6971, 0.1500,
0.0601

■ 80.7124, 0.3782,
0.4371

Harmonies

Analogous

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



18.5019, 0.2845, 0.3036



18.5019, 0.2957, 0.3009



18.5019, 0.3117, 0.3054

Triad

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



18.5019, 0.2957, 0.3009



18.5019, 0.3458, 0.3436



18.5019, 0.2969, 0.3428

Complementary

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



18.5019, 0.2957, 0.3009



23.0658, 0.3288, 0.3556

Split Complementary

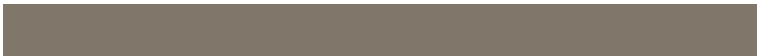
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.5019, 0.3130, 0.3543



18.5019, 0.2957, 0.3009



18.5019, 0.3415, 0.3543

Square

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



18.5019, 0.2957, 0.3009



18.5019, 0.3410, 0.3295



18.5019, 0.3294, 0.3585



18.5019, 0.2852, 0.3275

Rectangle

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



18.5019, 0.2957, 0.3009



18.5019, 0.3230, 0.3117



18.5019, 0.3294, 0.3585



18.5019, 0.3020, 0.3473

Sweetspot

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



18.5027, 0.2957, 0.3009



39.4600, 0.3083, 0.3218



22.3136, 0.2964, 0.3294



8.7555, 0.3073, 0.3200



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.5027, 0.2957, 0.3009



30.9775, 0.2907, 0.2927



19.0261, 0.3044, 0.3016



4.5454, 0.2992, 0.3066



1.6165, 0.1500, 0.0601



0.0057, 0.1502, 0.0607

Inverse Universe

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



19.2491, 0.3320, 0.3290



32.6389, 0.3380, 0.3290



22.5003, 0.3203, 0.3564



4.6888, 0.3279, 0.3290



4.7501, 0.6399, 0.3299



0.0165, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 18.5019, 0.2957, 0.3009 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5019, 0.2957, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

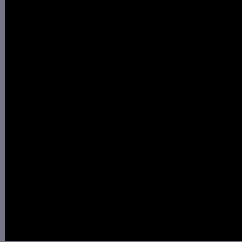
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

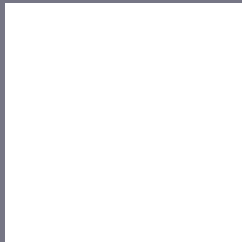
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5019, 0.2957, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 18.5019, 0.2957, 0.3009.



This preview shows how white text looks on a background with the Yxy color 18.5019, 0.2957, 0.3009.

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

18.5019, 0.2957, 0.3009

Protanopia

18.4322, 0.2945, 0.3008

Deuteranopia

18.4693, 0.3030, 0.2978



Tritanopia

18.5341, 0.3000, 0.3119

Trichromacy



Original Color

18.5019, 0.2957, 0.3009

Protanomaly

18.4322, 0.2945, 0.3008

Deuteranomaly

18.5536, 0.3005, 0.2994

Tritanomaly

18.5873, 0.2978, 0.3082

Monochromacy



Original Color

18.5019, 0.2957, 0.3009

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5963, 0.3058, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5019, 0.2957, 0.3009 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(118, 118, 133)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 133)  
}
```

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(118, 118, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 133) }
```

Border

The CSS property to change the border of an element to Yxy 18.5019, 0.2957, 0.3009 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(118, 118, 133) }
```

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

```
.border{ border-color:rgb(118, 118, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 133);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5019, 0.2957, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 133) }
```

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

```
.background{ background-color: rgb(118,  
118, 133) }
```

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