

Converting Colors

$Y_{xy}(12.2018, 0.3141, 0.2940)$

Have a look what the booklet for
Yxy(12.2018, 0.3141, 0.2940)
contains.

Yxy(12.1840, 0.3143, 0.2950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1840, 0.3143, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	6D5D6D
RGB	109, 93, 109
RGB Percent	43%, 36%, 43%
CMY	0.5726, 0.6353, 0.5725
CMYK	0.00, 0.15, 0.00, 0.57
HSL	300°, 8%, 40%
HSV	300°, 15%, 43%
XYZ	12.9811, 12.1840, 16.1366
YIQ	99.6080, 4.4000, 8.3680

Conversions

Conversions Part 2

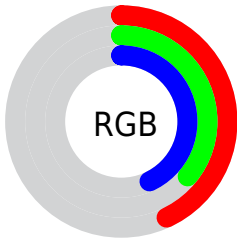
Format	Color
R_{YB}	109, 93, 109
Decimal	7167341
CIE _{Lab}	41.51, 9.62, -6.69
CIE _{LCh}	42, 11.713, 325.174
Yxy	12.1840, 0.3143, 0.2950
Android (android.graphics.Color)	4285357421 (0xFF6D5D6D)
YUV	99.6080, 4.6303, 8.2368
Hunter-Lab	34.9056, 5.2980, -2.9754

Details

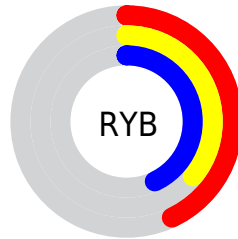
The Yxy color **12.1840, 0.3143, 0.2950** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0563, 0.3110, 0.3655**, and the grayscale version is **12.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7601, 0.3150, 0.3037**, and **3.3729, 0.3126, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **10.4050, 0.3154, 0.2714**, and if you desaturate by 10%, it is **14.2368, 0.3132, 0.3183**.

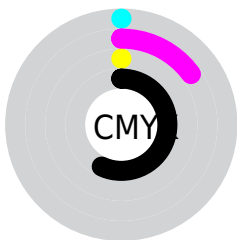
Distribution



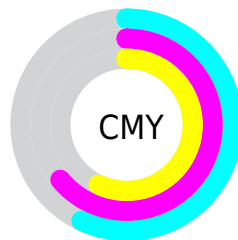
- Red (43%)
- Green (36%)
- Blue (43%)



- Red (43%)
- Yellow (36%)
- Blue (43%)



- Cyan (0%)
- Magenta (15%)
- Yellow (0%)
- Black (57%)





- Cyan (57%)
- Magenta (64%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1840, 0.3143, 0.2950 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 12.1840, 0.3143, 0.2950 by changing the saturation by 10% instead.


 12.1840, 0.3143,
0.2950


 12.1840, 0.3143,
0.2950


205.6196, 0.3135,
0.3153


 6.8691, 0.3145,
0.2883


 29.8298, 0.3140,
0.3034

 3.3804, 0.3146,
0.2783

 42.9295, 0.3139,
0.3063

 1.3334, 0.3145,
0.2619

 59.3929, 0.3138,
0.3085

 0.1668, 0.3252,
0.1379

 79.6044, 0.3138,
0.3104

 0.0000, 0.0000,
0.0000

103.9485, 0.3137,
0.3119

132.8094, 0.3136,

0.3132

166.5717, 0.3136,
0.3144

■ 12.1840, 0.3143,
0.2950

■ 12.1840, 0.3143,
0.2950

■ 10.4050, 0.3154,
0.2714

■ 14.2368, 0.3132,
0.3183

■ 8.8869, 0.3165,
0.2482

■ 16.5727, 0.3122,
0.3409

■ 7.6177, 0.3175,
0.2261

■ 19.2025, 0.3112,
0.3623

■ 6.5843, 0.3184,
0.2060

■ 22.1357, 0.3102,
0.3824

■ 5.7721, 0.3192,
0.1885

■ 25.3818, 0.3094,
0.4010

■ 5.1650, 0.3199,
0.1745

■ 28.9496, 0.3086,
0.4181

■ 4.7447, 0.3204,
0.1642

■ 32.8475, 0.3078,
0.4337

■ 4.4786, 0.3207,
0.1574

■ 37.0838, 0.3072,
0.4478

■ 4.3525, 0.3208,
0.1541

■ 41.6664, 0.3066,
0.4607

Harmonies

Analogous

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



12.1840, 0.2895, 0.2869



12.1840, 0.3143, 0.2950



12.1840, 0.3396, 0.3113

Triad

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



12.1840, 0.3143, 0.2950



12.1840, 0.3550, 0.3691



12.1840, 0.2694, 0.3231

Complementary

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



12.1840, 0.3143, 0.2950



14.0563, 0.3110, 0.3655

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.



12.1840, 0.2857, 0.3473



12.1840, 0.3143, 0.2950



12.1840, 0.3350, 0.3745

Square

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



12.1840, 0.3143, 0.2950



12.1840, 0.3636, 0.3532



12.1840, 0.3095, 0.3667



12.1840, 0.2643, 0.3019

Rectangle

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



12.1840, 0.3143, 0.2950



12.1840, 0.3531, 0.3249



12.1840, 0.3095, 0.3667



12.1840, 0.2737, 0.3312

Sweetspot

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



12.1845, 0.3143, 0.2950



25.7150, 0.3132, 0.3196



11.3077, 0.2906, 0.2931



5.9285, 0.3132, 0.3182



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.1845, 0.3143, 0.2950



20.5428, 0.3147, 0.2860



12.0257, 0.3256, 0.3111



3.1638, 0.3137, 0.3084



5.0904, 0.3208, 0.1541



25.9368, 0.3208, 0.1541

Inverse Universe

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



11.8713, 0.3381, 0.3291



19.8537, 0.3461, 0.3291



14.1999, 0.3015, 0.3476



3.1168, 0.3272, 0.3290



3.8028, 0.6400, 0.3299



19.3768, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 12.1840, 0.3143, 0.2950 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 12.1840, 0.3143, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

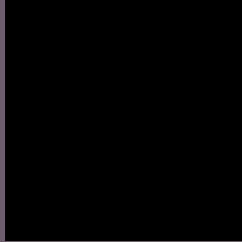
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1840, 0.3143, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 12.1840, 0.3143, 0.2950.



This preview shows how white text looks on a background with the Yxy color 12.1840, 0.3143, 0.2950.

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

12.1840, 0.3143, 0.2950

Protanopia

12.2060, 0.2913, 0.2957

Deuteranopia

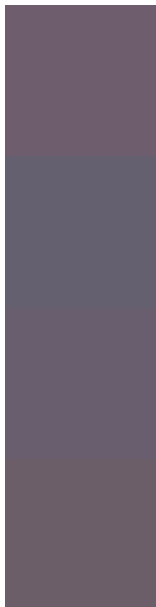
12.1721, 0.3052, 0.2985



Tritanopia

12.1529, 0.3228, 0.3117

Trichromacy



Original Color

12.1840, 0.3143, 0.2950

Protanomaly

12.2801, 0.2996, 0.2962

Deuteranomaly

12.1128, 0.3082, 0.2966

Tritanomaly

12.2135, 0.3184, 0.3053

Monochromacy



Original Color

12.1840, 0.3143, 0.2950

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4122, 0.3133, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1840, 0.3143, 0.2950 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(109, 93, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 93, 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(109, 93, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 93, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.1840, 0.3143, 0.2950 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(109, 93, 109) }
```

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

```
.border{ border-color:rgb(109, 93, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 93, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 93, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 93, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 93,  
109) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 12.1840, 0.3143, 0.2950$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 93, 109) }
```

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

```
.background{ background-color: rgb(109, 93,  
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