

Converting Colors

$Y_{xy}(18.2250, 0.3144, 0.2412)$

Have a look what the booklet for
Yxy(18.2250, 0.3144, 0.2412)
contains.

Yxy(18.1940, 0.3143, 0.2404)	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(18.1940, 0.3143, 0.2404)

Conversions

Conversions Part 1

Format	Color
Hex	9A639C
RGB	154, 99, 156
RGB Percent	60%, 39%, 61%
CMY	0.3961, 0.6117, 0.3883
CMYK	0.01, 0.37, 0.00, 0.39
HSL	298°, 22%, 50%
HSV	298°, 37%, 61%
XYZ	23.7869, 18.1940, 33.7013
YIQ	121.9430, 14.4830, 29.3870

Conversions

Conversions Part 2

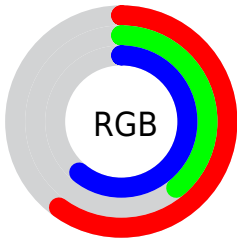
Format	Color
R_{YB}	154, 99, 156
Decimal	10118044
CIE _{Lab}	49.73, 31.77, -21.96
CIE _{LCh}	50, 38.620, 325.348
Y _{xy}	18.1940, 0.3143, 0.2404
Android (android.graphics.Color)	4288308124 (0xFF9A639C)
YUV	121.9430, 16.7901, 28.1140
Hunter-Lab	42.6544, 24.8981, -16.9870

Details

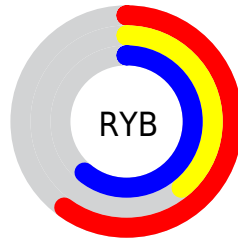
The Yxy color $18.1940, 0.3143, 0.2404$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $27.4375, 0.3095, 0.4354$, and the grayscale version is $19.3837, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.3917, 0.3142, 0.2583$, and $6.1259, 0.3123, 0.2087$ is the 20% darker color. If you saturate the color by 10%, you get $15.4658, 0.3145, 0.2176$, and if you desaturate by 10%, it is $21.4949, 0.3140, 0.2645$.

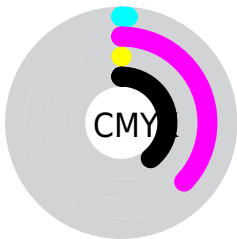
Distribution



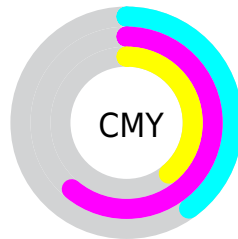
- Red (60%)
- Green (39%)
- Blue (61%)



- Red (60%)
- Yellow (39%)
- Blue (61%)



- Cyan (1%)
- Magenta (37%)
- Yellow (0%)
- Black (39%)





- Cyan (40%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1940, 0.3143, 0.2404 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 18.1940, 0.3143, 0.2404 by changing the saturation by 10% instead.


 18.1940, 0.3143,
0.2404


 18.1940, 0.3143,
0.2404


241.9623, 0.3146,
0.2882


 11.0894, 0.3137,
0.2273


 40.3676, 0.3148,
0.2586


 6.1270, 0.3124,
0.2099


 56.2054, 0.3149,
0.2652

 2.9224, 0.3098,
0.1857

 75.7230, 0.3149,
0.2706

 1.0914, 0.3038,
0.1501

 99.3048, 0.3148,
0.2752

 0.0000, 0.3171,
0.0000

127.3353, 0.3148,
0.2792

 0.0000, 0.0000,
0.0000

160.1987, 0.3148,

0.2826

198.2796, 0.3147,
0.2855

■ 18.1940, 0.3143,
0.2404

■ 18.1940, 0.3143,
0.2404

■ 15.4658, 0.3145,
0.2176

■ 21.4949, 0.3140,
0.2645

■ 13.2749, 0.3144,
0.1971

■ 25.3964, 0.3136,
0.2891

■ 11.5858, 0.3143,
0.1798


■ 29.9275, 0.3131,
0.3135


■ 10.3575, 0.3139,
0.1662


■ 35.1147, 0.3125,
0.3371


■ 9.5429, 0.3133,
0.1567

■ 40.9828, 0.3119,
0.3594


 9.0716, 0.3126,
0.1511

 47.5556, 0.3113,
0.3803

 8.9359, 0.3124,
0.1494

 54.8553, 0.3107,
0.3995

 62.9037, 0.3101,
0.4172

 71.7211, 0.3096,
0.4332

Harmonies

Analogous

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



18.1940, 0.2469, 0.2191



18.1940, 0.3143, 0.2404



18.1940, 0.3897, 0.2798

Triad

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



18.1940, 0.3143, 0.2404



18.1940, 0.4279, 0.4356



18.1940, 0.1954, 0.3050

Complementary

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



18.1940, 0.3143, 0.2404



27.4375, 0.3095, 0.4354

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.



18.1940, 0.2346, 0.3825



18.1940, 0.3143, 0.2404



18.1940, 0.3684, 0.4642

Square

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



18.1940, 0.3143, 0.2404



18.1940, 0.4582, 0.3854



18.1940, 0.2975, 0.4473



18.1940, 0.1851, 0.2481

Rectangle

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



18.1940, 0.3143, 0.2404



18.1940, 0.4307, 0.3128



18.1940, 0.2975, 0.4473



18.1940, 0.2053, 0.3296

Sweetspot

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



18.1948, 0.3143, 0.2404



50.3628, 0.3133, 0.3021



14.5277, 0.2489, 0.2276



10.8587, 0.3134, 0.2991



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.1948, 0.3143, 0.2404



28.8487, 0.3144, 0.2213



17.6124, 0.3510, 0.2782



6.7428, 0.3132, 0.3069



7.3658, 0.3124, 0.1495



0.1350, 0.3161, 0.1515

Inverse Universe

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



16.9309, 0.3950, 0.3259



26.2192, 0.4241, 0.3253



27.8949, 0.2869, 0.3865



6.6497, 0.3279, 0.3283



5.8327, 0.6351, 0.3272



0.1053, 0.6116, 0.3143

Previews

White Background



This preview shows how the Yxy color 18.1940, 0.3143, 0.2404 looks on a white background.

Color Contrast Check

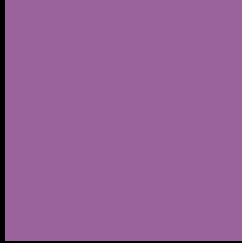
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1940, 0.3143, 0.2404 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 18.1940, 0.3143, 0.2404

Background



This preview shows how black text looks on a background with the Yxy color 18.1940, 0.3143, 0.2404.



This preview shows how white text looks on a background with the Yxy color 18.1940, 0.3143, 0.2404.

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

18.1940, 0.3143, 0.2404

Protanopia

18.4496, 0.2444, 0.2361

Deuteranopia

18.4672, 0.2686, 0.2639



Tritanopia

18.1659, 0.3593, 0.3137

Trichromacy



Original Color

18.1940, 0.3143, 0.2404

Protanomaly

17.9334, 0.2659, 0.2354

Deuteranomaly

17.9970, 0.2834, 0.2530

Tritanomaly

18.1186, 0.3421, 0.2842

Monochromacy



Original Color

18.1940, 0.3143, 0.2404

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8242, 0.3144, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1940, 0.3143, 0.2404 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(154, 99, 156)` looks like.

```
.text, #text, p{  
    color:rgb(154, 99, 156)  
}
```

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(154, 99, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 99, 156) }
```

Border

The CSS property to change the border of an element to Yxy 18.1940, 0.3143, 0.2404 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(154, 99, 156) }
```

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

```
.border{ border-color:rgb(154, 99, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 99, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 99, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 99, 156);  
box-shadow:4px 4px 4px 4px rgb(154, 99,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1940, 0.3143, 0.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 99, 156) }
```

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

```
.background{ background-color: rgb(154, 99,  
156) }
```

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