

Converting Colors

$Y_{xy}(18.0963, 0.3314, 0.2743)$

Have a look what the booklet for
Yxy(18.0963, 0.3314, 0.2743)
contains.

Yxy(18.0963, 0.3314, 0.2743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0963, 0.3314, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	956889
RGB	149, 104, 137
RGB Percent	58%, 41%, 54%
CMY	0.4156, 0.5922, 0.4627
CMYK	0.00, 0.30, 0.08, 0.42
HSL	316°, 18%, 50%
HSV	316°, 30%, 58%
XYZ	21.8633, 18.0963, 26.0130
YIQ	121.2170, 16.2270, 19.8030

Conversions

Conversions Part 2

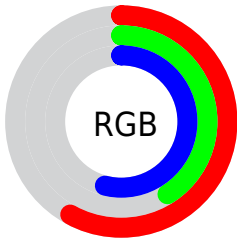
Format	Color
R_{YB}	149, 104, 137
Decimal	9791625
CIE _{Lab}	49.61, 23.54, -10.98
CIE _{LCh}	50, 25.977, 335.008
Yxy	18.0963, 0.3314, 0.2743
Android (android.graphics.Color)	4287981705 (0xFF956889)
YUV	121.2170, 7.7810, 24.3657
Hunter-Lab	42.5397, 17.2957, -6.4780

Details

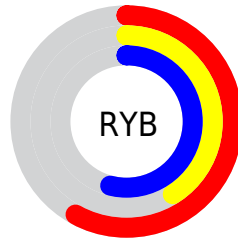
The Yxy color $18.0963, 0.3314, 0.2743$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $25.7043, 0.2982, 0.3909$, and the grayscale version is $19.1654, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.3320, 0.3280, 0.2871$, and $6.0579, 0.3377, 0.2536$ is the 20% darker color. If you saturate the color by 10%, you get $15.2459, 0.3395, 0.2560$, and if you desaturate by 10%, it is $21.4827, 0.3243, 0.2928$.

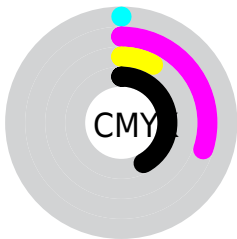
Distribution



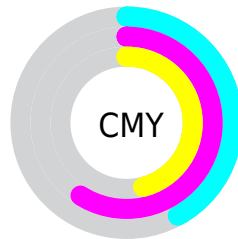
- Red (58%)
- Green (41%)
- Blue (54%)



- Red (58%)
- Yellow (41%)
- Blue (54%)



- Cyan (0%)
- Magenta (30%)
- Yellow (8%)
- Black (42%)



- Cyan (42%)
- Magenta (59%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0963, 0.3314, 0.2743 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 18.0963, 0.3314, 0.2743 by changing the saturation by 10% instead.


 18.0963, 0.3314,
0.2743


 18.0963, 0.3314,
0.2743


241.4133, 0.3212,
0.3047


 11.0191, 0.3343,
0.2655


 40.2013, 0.3274,
0.2862


 6.0797, 0.3382,
0.2534


 55.9980, 0.3260,
0.2904

 2.8936, 0.3438,
0.2358

 75.4700, 0.3249,
0.2938

 1.0764, 0.3524,
0.2076

 99.0017, 0.3239,
0.2967

 0.0000, 0.4256,
0.0000

126.9775, 0.3231,
0.2991

 0.0000, 0.0000,
0.0000

159.7817, 0.3223,

0.3013

197.7989, 0.3217,
0.3031

■ 18.0963, 0.3314,
0.2743

■ 18.0963, 0.3314,
0.2743

■ 15.2459, 0.3395,
0.2560

■ 21.4827, 0.3243,
0.2928

■ 12.9010, 0.3485,
0.2388

■ 25.4285, 0.3181,
0.3111

■ 11.0320, 0.3584,
0.2236


■ 29.9587, 0.3128,
0.3286


■ 9.6051, 0.3688,
0.2112


■ 35.0962, 0.3083,
0.3452

■ 8.5819, 0.3796,
0.2027

■ 40.8625, 0.3045,
0.3608

 7.9176, 0.3902,
0.1987

 47.2781, 0.3013,
0.3751

 7.5017, 0.4006,
0.1981

 54.3626, 0.2987,
0.3884

 62.1348, 0.2964,
0.4005

 70.6125, 0.2946,
0.4117

Harmonies

Analogous

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



18.0963, 0.2818, 0.2541



18.0963, 0.3314, 0.2743



18.0963, 0.3791, 0.3067

Triad

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



18.0963, 0.3314, 0.2743



18.0963, 0.3822, 0.4120



18.0963, 0.2257, 0.3003

Complementary

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



18.0963, 0.3314, 0.2743



25.7043, 0.2982, 0.3909

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.



18.0963, 0.2485, 0.3486



18.0963, 0.3314, 0.2743



18.0963, 0.3380, 0.4183

Square

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



18.0963, 0.3314, 0.2743



18.0963, 0.4088, 0.3837



18.0963, 0.2890, 0.3946



18.0963, 0.2242, 0.2657

Rectangle

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



18.0963, 0.3314, 0.2743



18.0963, 0.4014, 0.3323



18.0963, 0.2890, 0.3946



18.0963, 0.2310, 0.3155

Sweetspot

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



18.0971, 0.3314, 0.2743



46.3148, 0.3175, 0.3129



15.7315, 0.2741, 0.2467



10.0392, 0.3183, 0.3105



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.0971, 0.3314, 0.2743



28.9692, 0.3366, 0.2623



17.5341, 0.3615, 0.3098



5.8831, 0.3175, 0.3129



6.3171, 0.4000, 0.1977



0.0822, 0.3568, 0.1739

Inverse Universe

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



18.0971, 0.3314, 0.2743



28.9692, 0.3366, 0.2623



26.2715, 0.2796, 0.3493



5.8831, 0.3175, 0.3129



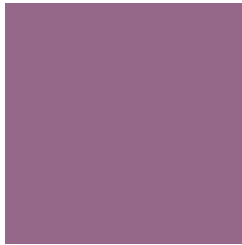
6.3171, 0.4000, 0.1977



0.0822, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 18.0963, 0.3314, 0.2743 looks on a white background.

Color Contrast Check

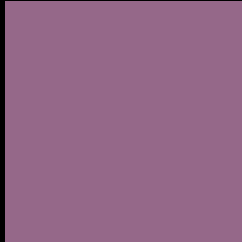
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0963, 0.3314, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

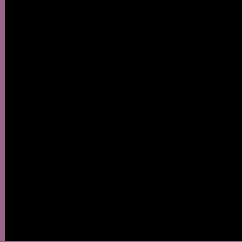
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0963, 0.3314, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 18.0963, 0.3314, 0.2743.



This preview shows how white text looks on a background with the Yxy color 18.0963, 0.3314, 0.2743.

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

18.0963, 0.3314, 0.2743

Protanopia

18.2426, 0.2753, 0.2754

Deuteranopia

18.1483, 0.2983, 0.2921



Tritanopia

18.0971, 0.3548, 0.3152

Trichromacy



Original Color

18.0963, 0.3314, 0.2743

Protanomaly

17.9315, 0.2929, 0.2734

Deuteranomaly

18.0520, 0.3097, 0.2846

Tritanomaly

18.1737, 0.3455, 0.3000

Monochromacy



Original Color

18.0963, 0.3314, 0.2743

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6191, 0.3189, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0963, 0.3314, 0.2743 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(149, 104, 137)` looks like.

```
.text, #text, p{  
    color:rgb(149, 104, 137)  
}
```

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(149, 104, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 104, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.0963, 0.3314, 0.2743 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(149, 104, 137) }
```

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

```
.border{ border-color:rgb(149, 104, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 104, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 104, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 104, 137);  
box-shadow:4px 4px 4px 4px rgb(149, 104,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0963, 0.3314, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 104, 137) }
```

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

```
.background{ background-color: rgb(149,  
104, 137) }
```

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