

Converting Colors

$Y_{xy}(16.7342, 0.3150, 0.2527)$

Have a look what the booklet for
Yxy(16.7342, 0.3150, 0.2527)
contains.

| | |
|---|----|
| Yxy(16.7769, 0.3149, 0.2537) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(16.7769, 0.3149, 0.2537)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 8F6390 |
| RGB | 143, 99, 144 |
| RGB Percent | 56%, 39%, 56% |
| CMY | 0.4392, 0.6118, 0.4353 |
| CMYK | 0.01, 0.31, 0.00, 0.44 |
| HSL | 299°, 19%, 48% |
| HSV | 299°, 31%, 56% |
| XYZ | 20.8240, 16.7769, 28.5280 |
| YIQ | 117.2860, 11.7790, 23.3230 |

Conversions

Conversions Part 2

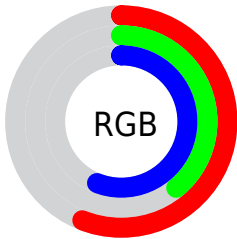
| Format | Color |
|-------------------------------------|---|
| RYB | 143, 99, 144 |
| Decimal | 9397136 |
| CIELab | 47.98, 25.66, -17.67 |
| CIElCh | 48, 31.155, 325.445 |
| Yxy | 16.7769, 0.3149, 0.2537 |
| Android (android.graphics.Color) | 4287587216 (0xFF8F6390) |
| YUV | 117.2860, 13.1700, 22.5512 |
| Hunter-Lab | 40.9596, 19.0706, -12.6232 |

Details

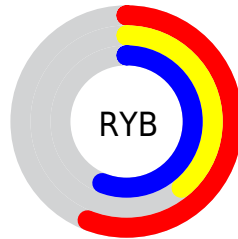
The Yxy color **16.7769, 0.3149, 0.2537** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.5585, 0.3096, 0.4172**, and the grayscale version is **17.8385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7602, 0.3146, 0.2692**, and **5.4333, 0.3154, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **14.2594, 0.3154, 0.2304**, and if you desaturate by 10%, it is **19.7825, 0.3143, 0.2779**.

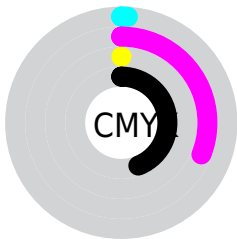
Distribution



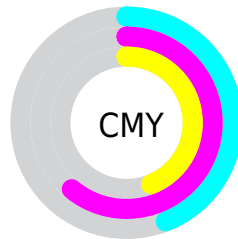
- Red (56%)
- Green (39%)
- Blue (56%)



- Red (56%)
- Yellow (39%)
- Blue (56%)



- Cyan (1%)
- Magenta (31%)
- Yellow (0%)
- Black (44%)



- Cyan (44%)
- Magenta (61%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7769, 0.3149, 0.2537 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 16.7769, 0.3149, 0.2537 by changing the saturation by 10% instead.

 16.7769, 0.3149,
0.2537


 16.7769, 0.3149,
0.2537


233.8834, 0.3145,
0.2953


 10.0756, 0.3146,
0.2418


 37.9418, 0.3150,
0.2699


 5.4491, 0.3138,
0.2256


 53.1741, 0.3150,
0.2756

 2.5131, 0.3120,
0.2023

 72.0189, 0.3149,
0.2804

 0.8832, 0.3073,
0.1662

 94.8605, 0.3148,
0.2843

 0.0000, 0.2943,
0.0000

122.0834, 0.3148,
0.2877

 0.0000, 0.0000,
0.0000

154.0719, 0.3147,

0.2906

191.2105, 0.3146,
0.2931

■ 16.7769, 0.3149,
0.2537

■ 16.7769, 0.3149,
0.2537

■ 14.2594, 0.3154,
0.2304

■ 19.7825, 0.3143,
0.2779

■ 12.2020, 0.3159,
0.2088

■ 23.2980, 0.3136,
0.3023

■ 10.5771, 0.3161,
0.1900


■ 27.3464, 0.3128,
0.3261


■ 9.3534, 0.3162,
0.1745


■ 31.9489, 0.3121,
0.3489

■ 8.4953, 0.3161,
0.1630

■ 37.1252, 0.3113,
0.3704


 7.9610, 0.3158,
0.1555

 42.8944, 0.3106,
0.3903

 7.6587, 0.3155,
0.1512

 49.2745, 0.3099,
0.4087

 56.2827, 0.3093,
0.4255

 63.9356, 0.3086,
0.4407

Harmonies

Analogous

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



16.7769, 0.2579, 0.2354



16.7769, 0.3149, 0.2537



16.7769, 0.3770, 0.2879

Triad

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



16.7769, 0.3149, 0.2537



16.7769, 0.4102, 0.4202



16.7769, 0.2135, 0.3102

Complementary

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



16.7769, 0.3149, 0.2537



23.5585, 0.3096, 0.4172

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.



16.7769, 0.2477, 0.3729



16.7769, 0.3149, 0.2537



16.7769, 0.3608, 0.4408

Square

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



16.7769, 0.3149, 0.2537



16.7769, 0.4342, 0.3792



16.7769, 0.3012, 0.4248



16.7769, 0.2041, 0.2619

Rectangle

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



16.7769, 0.3149, 0.2537



16.7769, 0.4105, 0.3167



16.7769, 0.3012, 0.4248



16.7769, 0.2223, 0.3305

Sweetspot

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



16.7776, 0.3149, 0.2537



42.4864, 0.3134, 0.3073



13.8774, 0.2596, 0.2437



9.5366, 0.3135, 0.3041



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.7776, 0.3149, 0.2537



26.1688, 0.3153, 0.2360



16.2839, 0.3448, 0.2873



5.5050, 0.3134, 0.3073



6.6703, 0.3155, 0.1512



0.0650, 0.3184, 0.1528

Inverse Universe

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



15.7739, 0.3791, 0.3274



24.0979, 0.4027, 0.3270



23.9569, 0.2897, 0.3750



5.4259, 0.3278, 0.3286



5.1699, 0.6367, 0.3281



0.0497, 0.6205, 0.3192

Previews

White Background



This preview shows how the Yxy color 16.7769, 0.3149, 0.2537 looks on a white background.

Color Contrast Check

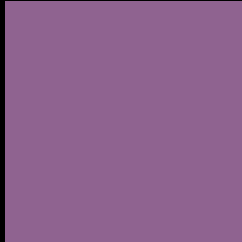
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7769, 0.3149, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

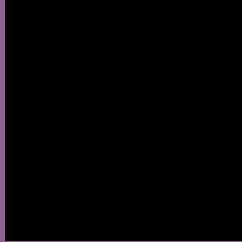
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7769, 0.3149, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 16.7769, 0.3149, 0.2537.



This preview shows how white text looks on a background with the Yxy color 16.7769, 0.3149, 0.2537.

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

16.7769, 0.3149, 0.2537

Protanopia

16.9681, 0.2565, 0.2528

Deuteranopia

16.9208, 0.2775, 0.2725



Tritanopia

16.7844, 0.3502, 0.3147

Trichromacy



Original Color

16.7769, 0.3149, 0.2537

Protanomaly

16.7090, 0.2757, 0.2530

Deuteranomaly

16.7095, 0.2903, 0.2638

Tritanomaly

16.7312, 0.3368, 0.2919

Monochromacy



Original Color

16.7769, 0.3149, 0.2537

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1198, 0.3129, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7769, 0.3149, 0.2537 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(143, 99, 144)` looks like.

```
.text, #text, p{  
    color:rgb(143, 99, 144)  
}
```

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(143, 99, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 99, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.7769, 0.3149, 0.2537 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(143, 99, 144) }
```

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

```
.border{ border-color:rgb(143, 99, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 99, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 99, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 99, 144);  
box-shadow:4px 4px 4px 4px rgb(143, 99,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7769, 0.3149, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 99, 144) }
```

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

```
.background{ background-color: rgb(143, 99,  
144) }
```

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