

Converting Colors

$Y_{xy}(17.9803, 0.3105, 0.2357)$

Have a look what the booklet for
Yxy(17.9803, 0.3105, 0.2357)
contains.

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Color

Yxy(17.9763, 0.3106, 0.2358)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 99629E |
| RGB | 153, 98, 158 |
| RGB Percent | 60%, 38%, 62% |
| CMY | 0.4000, 0.6157, 0.3803 |
| CMYK | 0.03, 0.38, 0.00, 0.38 |
| HSL | 295°, 24%, 50% |
| HSV | 295°, 38%, 62% |
| XYZ | 23.6787, 17.9763, 34.5804 |
| YIQ | 121.2850, 13.5200, 30.3200 |

Conversions

Conversions Part 2

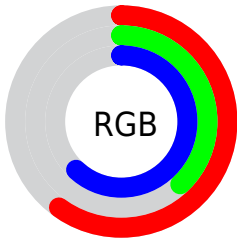
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 153, 98, 158 |
| Decimal | 10052254 |
| CIE _{Lab} | 49.47, 32.43, -23.58 |
| CIE _{LCh} | 49, 40.093, 323.976 |
| Yxy | 17.9763, 0.3106, 0.2358 |
| Android (android.graphics.Color) | 4288242334 (0xFF99629E) |
| YUV | 121.2850, 18.1005, 27.8141 |
| Hunter-Lab | 42.3985, 25.4914, -18.6782 |

Details

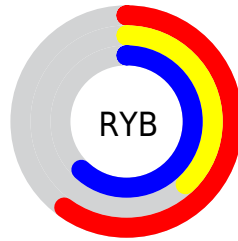
The Yxy color **17.9763, 0.3106, 0.2358** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.2282, 0.3120, 0.4397**, and the grayscale version is **19.1550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0267, 0.3115, 0.2549**, and **6.0039, 0.3085, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **15.1785, 0.3095, 0.2126**, and if you desaturate by 10%, it is **21.3609, 0.3115, 0.2603**.

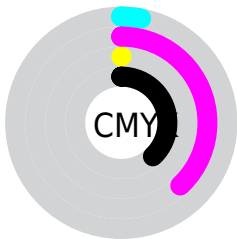
Distribution



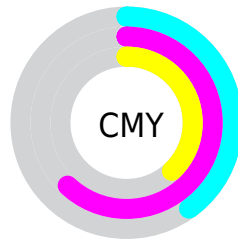
- Red (60%)
- Green (38%)
- Blue (62%)



- Red (60%)
- Yellow (38%)
- Blue (62%)



- Cyan (3%)
- Magenta (38%)
- Yellow (0%)
- Black (38%)





- Cyan (40%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9763, 0.3106, 0.2358 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 17.9763, 0.3106, 0.2358 by changing the saturation by 10% instead.


 17.9763, 0.3106,
0.2358


 17.9763, 0.3106,
0.2358


240.7374, 0.3132,
0.2859


 10.9330, 0.3093,
0.2222


 39.9969, 0.3120,
0.2549


 6.0218, 0.3070,
0.2040


 55.7430, 0.3124,
0.2618

 2.8583, 0.3028,
0.1789

 75.1589, 0.3126,
0.2675

 1.0582, 0.2943,
0.1425

 98.6288, 0.3128,
0.2723

 0.0000, 0.2987,
0.0000

126.5372, 0.3129,
0.2765

 0.0000, 0.0000,
0.0000

159.2685, 0.3130,

0.2801

197.2071, 0.3131,
0.2832

■ 17.9763, 0.3106,
0.2358

■ 17.9763, 0.3106,
0.2358

■ 15.1785, 0.3095,
0.2126

■ 21.3609, 0.3115,
0.2603

■ 12.9306, 0.3081,
0.1916

■ 25.3616, 0.3121,
0.2853

■ 11.1952, 0.3065,
0.1738


■ 30.0087, 0.3125,
0.3099

■ 9.9293, 0.3047,
0.1598


■ 35.3297, 0.3127,
0.3337


■ 9.0828, 0.3027,
0.1500


■ 41.3504, 0.3128,
0.3562


 8.5659, 0.3007,
0.1439

 48.0956, 0.3128,
0.3772

 8.4727, 0.3002,
0.1428

 55.5885, 0.3126,
0.3965

 63.8515, 0.3124,
0.4142

 72.9059, 0.3122,
0.4303

Harmonies

Analogous

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



17.9763, 0.2416, 0.2148



17.9763, 0.3106, 0.2358



17.9763, 0.3894, 0.2756

Triad

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



17.9763, 0.3106, 0.2358



17.9763, 0.4342, 0.4370



17.9763, 0.1922, 0.3069

Complementary

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



17.9763, 0.3106, 0.2358



28.2282, 0.3120, 0.4397

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.



17.9763, 0.2339, 0.3886



17.9763, 0.3106, 0.2358



17.9763, 0.3732, 0.4693

Square

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



17.9763, 0.3106, 0.2358



17.9763, 0.4645, 0.3841



17.9763, 0.2998, 0.4549



17.9763, 0.1804, 0.2467

Rectangle

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



17.9763, 0.3106, 0.2358



17.9763, 0.4332, 0.3094



17.9763, 0.2998, 0.4549



17.9763, 0.2028, 0.3330

Sweetspot

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



17.9771, 0.3106, 0.2358



51.6228, 0.3124, 0.3020



14.9662, 0.2466, 0.2284



11.3939, 0.3124, 0.2989



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



17.9771, 0.3106, 0.2358



28.0582, 0.3096, 0.2150



17.7277, 0.3489, 0.2715



6.7264, 0.3125, 0.3069



6.7917, 0.3004, 0.1429



0.1289, 0.3092, 0.1477

Inverse Universe

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



16.9857, 0.3954, 0.3210



26.0305, 0.4257, 0.3192



28.4639, 0.2884, 0.3950



6.6547, 0.3272, 0.3272



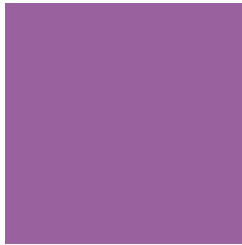
5.8482, 0.6282, 0.3234



0.1069, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 17.9763, 0.3106, 0.2358 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 17.9763, 0.3106, 0.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

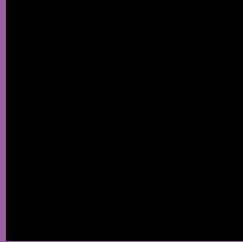
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9763, 0.3106, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 17.9763, 0.3106, 0.2358.



This preview shows how white text looks on a background with the Yxy color 17.9763, 0.3106, 0.2358.

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

17.9763, 0.3106, 0.2358

Protanopia

18.1787, 0.2409, 0.2311

Deuteranopia

18.1723, 0.2645, 0.2585



Tritanopia

17.9562, 0.3579, 0.3153

Trichromacy



Original Color

17.9763, 0.3106, 0.2358

Protanomaly

17.6492, 0.2617, 0.2304

Deuteranomaly

17.7732, 0.2801, 0.2480

Tritanomaly

17.9289, 0.3394, 0.2838

Monochromacy



Original Color

17.9763, 0.3106, 0.2358

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.5180, 0.3132, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9763, 0.3106, 0.2358 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(153, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(153, 98, 158)  
}
```

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(153, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 98, 158) }
```

Border

The CSS property to change the border of an element to Yxy 17.9763, 0.3106, 0.2358 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(153, 98, 158) }
```

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

```
.border{ border-color:rgb(153, 98, 158) }
```

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

Here you see how a box with a 4 pixel rgb(153, 98, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 98, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 98, 158);  
box-shadow:4px 4px 4px 4px rgb(153, 98,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9763, 0.3106, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 98, 158) }
```

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

```
.background{ background-color: rgb(153, 98,  
158) }
```

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](#).

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