

Converting Colors

$Y_{xy}(17.1720, 0.3097, 0.2186)$

Have a look what the booklet for
Yxy(17.1720, 0.3097, 0.2186)
contains.

Yxy(17.2618, 0.3100, 0.2188)	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(17.2618, 0.3100, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	9E5AA4
RGB	158, 90, 164
RGB Percent	62%, 35%, 64%
CMY	0.3804, 0.6470, 0.3568
CMYK	0.04, 0.45, 0.00, 0.36
HSL	295°, 29%, 50%
HSV	295°, 45%, 64%
XYZ	24.4568, 17.2618, 37.1744
YIQ	118.7680, 16.7740, 37.4300

Conversions

Conversions Part 2

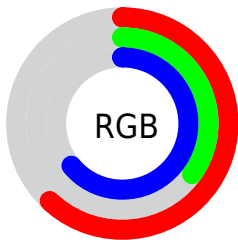
Format	Color
R_{YB}	158, 90, 164
Decimal	10377892
CIE _{Lab}	48.59, 39.62, -28.43
CIE _{LCh}	49, 48.766, 324.346
Yxy	17.2618, 0.3100, 0.2188
Android (android.graphics.Color)	4288567972 (0xFF9E5AA4)
YUV	118.7680, 22.2994, 34.4065
Hunter-Lab	41.5473, 32.3663, -23.9665

Details

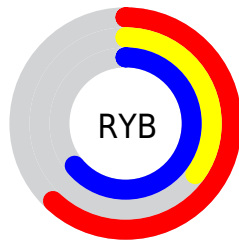
The Yxy color **17.2618, 0.3100, 0.2188** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.7858, 0.3112, 0.4646**, and the grayscale version is **18.2958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7566, 0.3121, 0.2410**, and **5.6907, 0.3055, 0.1828** is the 20% darker color. If you saturate the color by 10%, you get **14.6591, 0.3087, 0.1971**, and if you desaturate by 10%, it is **20.4780, 0.3110, 0.2425**.

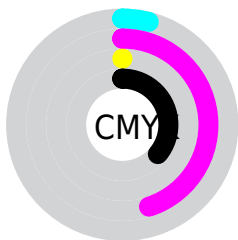
Distribution



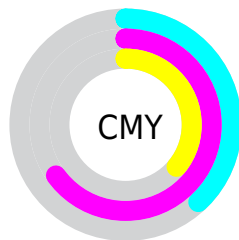
- Red (62%)
- Green (35%)
- Blue (64%)



- Red (62%)
- Yellow (35%)
- Blue (64%)



- Cyan (4%)
- Magenta (45%)
- Yellow (0%)
- Black (36%)





- Cyan (38%)
- Magenta (65%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2618, 0.3100, 0.2188 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 17.2618, 0.3100, 0.2188 by changing the saturation by 10% instead.


 17.2618, 0.3100,
0.2188


 17.2618, 0.3100,
0.2188


236.6766, 0.3135,
0.2773


 10.4213, 0.3082,
0.2033


 38.7754, 0.3119,
0.2408


 5.6792, 0.3051,
0.1829


 54.2172, 0.3124,
0.2488

 2.6510, 0.2996,
0.1554

 73.2950, 0.3128,
0.2556

 0.9524, 0.2886,
0.1171

 96.3931, 0.3130,
0.2613

 0.0000, 0.2812,
0.0000

123.8959, 0.3132,
0.2661

 0.0000, 0.0000,
0.0000

156.1878, 0.3133,

0.2704

193.6533, 0.3134,
0.2741

■ 17.2618, 0.3100,
0.2188

■ 17.2618, 0.3100,
0.2188

■ 14.6591, 0.3087,
0.1971

■ 20.4780, 0.3110,
0.2425

■ 12.6270, 0.3072,
0.1783

■ 24.3425, 0.3118,
0.2673

■ 11.1208, 0.3055,
0.1633


■ 28.8898, 0.3123,
0.2923

■ 10.0880, 0.3037,
0.1524


■ 34.1516, 0.3126,
0.3168


■ 9.4627, 0.3017,
0.1456


■ 40.1576, 0.3128,
0.3403

 9.2267, 0.3007,
0.1430

 46.9358, 0.3128,
0.3624

 54.5125, 0.3127,
0.3830

 62.9132, 0.3125,
0.4019

 72.1619, 0.3123,
0.4192

Harmonies

Analogous

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



17.2618, 0.2274, 0.1941



17.2618, 0.3100, 0.2188



17.2618, 0.4077, 0.2649

Triad

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



17.2618, 0.3100, 0.2188



17.2618, 0.4556, 0.4554



17.2618, 0.1681, 0.2980

Complementary

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



17.2618, 0.3100, 0.2188



29.7858, 0.3112, 0.4646

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.



17.2618, 0.2150, 0.4018



17.2618, 0.3100, 0.2188



17.2618, 0.3804, 0.5011

Square

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



17.2618, 0.3100, 0.2188



17.2618, 0.4964, 0.3901



17.2618, 0.2926, 0.4879



17.2618, 0.1563, 0.2272

Rectangle

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



17.2618, 0.3100, 0.2188



17.2618, 0.4620, 0.3037



17.2618, 0.2926, 0.4879



17.2618, 0.1797, 0.3303

Sweetspot

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



17.2626, 0.3100, 0.2188



53.1950, 0.3123, 0.2944



13.2531, 0.2317, 0.2031



11.2313, 0.3122, 0.2893



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.2626, 0.3100, 0.2188



26.6468, 0.3088, 0.1973



16.9070, 0.3604, 0.2624



7.1727, 0.3125, 0.3068



7.0824, 0.3009, 0.1431



0.1568, 0.3087, 0.1474

Inverse Universe

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



16.0538, 0.4200, 0.3198



24.2434, 0.4583, 0.3183



30.1092, 0.2837, 0.4080



7.0949, 0.3273, 0.3272



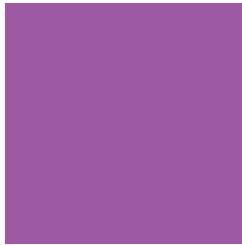
6.0778, 0.6287, 0.3237



0.1303, 0.5807, 0.2972

Previews

White Background



This preview shows how the Yxy color 17.2618, 0.3100, 0.2188 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 17.2618, 0.3100, 0.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

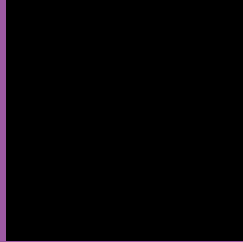
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2618, 0.3100, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 17.2618, 0.3100, 0.2188.



This preview shows how white text looks on a background with the Yxy color 17.2618, 0.3100, 0.2188.

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

17.2618, 0.3100, 0.2188

Protanopia

17.6192, 0.2232, 0.2093

Deuteranopia

17.3975, 0.2516, 0.2453



Tritanopia

17.2078, 0.3727, 0.3155

Trichromacy



Original Color

17.2618, 0.3100, 0.2188

Protanomaly

16.8549, 0.2473, 0.2092

Deuteranomaly

16.8139, 0.2700, 0.2327

Tritanomaly

17.2171, 0.3490, 0.2766

Monochromacy



Original Color

17.2618, 0.3100, 0.2188

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.4609, 0.3123, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2618, 0.3100, 0.2188 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(158, 90, 164)` looks like.

```
.text, #text, p{  
    color:rgb(158, 90, 164)  
}
```

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(158, 90, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 90, 164) }
```

Border

The CSS property to change the border of an element to Yxy 17.2618, 0.3100, 0.2188 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(158, 90, 164) }
```

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

```
.border{ border-color:rgb(158, 90, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 90, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 90, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 90, 164);  
box-shadow:4px 4px 4px 4px rgb(158, 90,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2618, 0.3100, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 90, 164) }
```

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

```
.background{ background-color: rgb(158, 90,  
164) }
```

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