

Converting Colors

$Y_{xy}(18.4910, 0.3209, 0.2550)$

Have a look what the booklet for
Yxy(18.4910, 0.3209, 0.2550)
contains.

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Color

Yxy(18.4450, 0.3215, 0.2543)

Conversions

Conversions Part 1

Format	Color
Hex	996695
RGB	153, 102, 149
RGB Percent	60%, 40%, 58%
CMY	0.3998, 0.6001, 0.4157
CMYK	0.00, 0.33, 0.03, 0.40
HSL	305°, 20%, 50%
HSV	305°, 33%, 60%
XYZ	23.3192, 18.4450, 30.7683
YIQ	122.6070, 15.3090, 25.4290

Conversions

Conversions Part 2

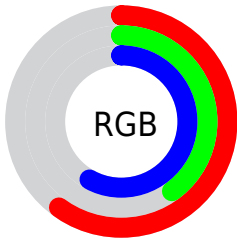
Format	Color
R _Y B	153, 102, 149
Decimal	10053269
CIE _{Lab}	50.03, 28.39, -17.40
CIE _{LCh}	50, 33.299, 328.506
Yxy	18.4450, 0.3215, 0.2543
Android (android.graphics.Color)	4288243349 (0xFF996695)
YUV	122.6070, 13.0117, 26.6547
Hunter-Lab	42.9476, 21.7613, -12.4128

Details

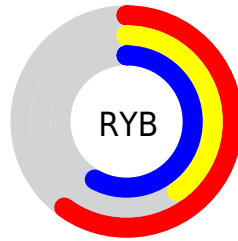
The Yxy color $18.4450, 0.3215, 0.2543$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $26.6606, 0.3048, 0.4172$, and the grayscale version is $19.6246, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.8329, 0.3202, 0.2704$, and $6.2869, 0.3236, 0.2288$ is the 20% darker color. If you saturate the color by 10%, you get $15.6725, 0.3246, 0.2328$, and if you desaturate by 10%, it is $21.7748, 0.3186, 0.2768$.

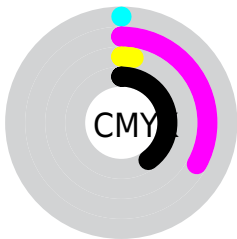
Distribution



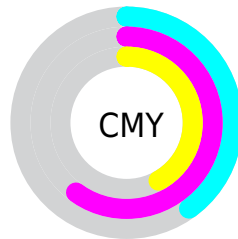
- Red (60%)
- Green (40%)
- Blue (58%)



- Red (60%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (33%)
- Yellow (3%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4450, 0.3215, 0.2543 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 18.4450, 0.3215, 0.2543 by changing the saturation by 10% instead.


 18.4450, 0.3215,
0.2543


 18.4450, 0.3215,
0.2543


243.3675, 0.3174,
0.2950


 11.2699, 0.3223,
0.2430


 40.7941, 0.3201,
0.2699


 6.2487, 0.3232,
0.2276

 56.7370, 0.3196,
0.2755

 2.9969, 0.3239,
0.2059

 76.3713, 0.3191,
0.2802

 1.1301, 0.3236,
0.1730

 100.0814, 0.3187,
0.2841

 0.0035, 0.3584,
0.0018

128.2516, 0.3183,
0.2874

 0.0000, 0.0000,
0.0000

161.2665, 0.3180,

0.2903

199.5103, 0.3177,
0.2928

■ 18.4450, 0.3215,
0.2543

■ 18.4450, 0.3215,
0.2543

■ 15.6725, 0.3246,
0.2328

■ 21.7748, 0.3186,
0.2768

■ 13.4243, 0.3278,
0.2130

■ 25.6878, 0.3159,
0.2995

■ 11.6676, 0.3310,
0.1960


■ 30.2110, 0.3135,
0.3217

■ 10.3650, 0.3341,
0.1825


■ 35.3693, 0.3113,
0.3430

■ 9.4736, 0.3371,
0.1730

■ 41.1860, 0.3094,
0.3632


 8.9425, 0.3398,
0.1677

 47.6832, 0.3077,
0.3819

 8.6980, 0.3415,
0.1655

 54.8822, 0.3063,
0.3992

 62.8032, 0.3050,
0.4151

 71.4655, 0.3039,
0.4296

Harmonies

Analogous

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



18.4450, 0.2613, 0.2336



18.4450, 0.3215, 0.2543



18.4450, 0.3852, 0.2908

Triad

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



18.4450, 0.3215, 0.2543



18.4450, 0.4090, 0.4264



18.4450, 0.2081, 0.3032

Complementary

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



18.4450, 0.3215, 0.2543



26.6606, 0.3048, 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.



18.4450, 0.2407, 0.3678



18.4450, 0.3215, 0.2543



18.4450, 0.3561, 0.4451

Square

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



18.4450, 0.3215, 0.2543



18.4450, 0.4374, 0.3852



18.4450, 0.2944, 0.4245



18.4450, 0.2012, 0.2557

Rectangle

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



18.4450, 0.3215, 0.2543



18.4450, 0.4182, 0.3209



18.4450, 0.2944, 0.4245



18.4450, 0.2162, 0.3237

Sweetspot

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



18.4458, 0.3215, 0.2543



48.4190, 0.3151, 0.3066



14.8273, 0.2584, 0.2340



10.4698, 0.3154, 0.3037



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.4458, 0.3215, 0.2543



29.2363, 0.3238, 0.2382



17.7336, 0.3551, 0.2923



6.3152, 0.3149, 0.3088



7.1868, 0.3413, 0.1654



0.1096, 0.3313, 0.1599

Inverse Universe

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



18.4458, 0.3215, 0.2543



29.2363, 0.3238, 0.2382



27.2560, 0.2840, 0.3692



6.3152, 0.3149, 0.3088



7.1868, 0.3413, 0.1654



0.1096, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 18.4450, 0.3215, 0.2543 looks on a white background.

Color Contrast Check

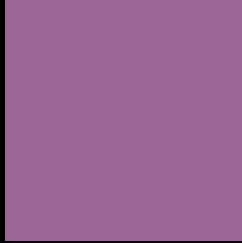
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4450, 0.3215, 0.2543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

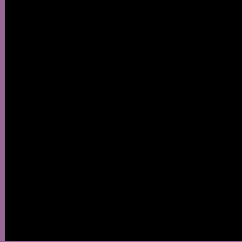
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4450, 0.3215, 0.2543

Background



This preview shows how black text looks on a background with the Yxy color 18.4450, 0.3215, 0.2543.



This preview shows how white text looks on a background with the Yxy color 18.4450, 0.3215, 0.2543.

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

18.4450, 0.3215, 0.2543

Protanopia

18.6559, 0.2566, 0.2523

Deuteranopia

18.5798, 0.2808, 0.2763



Tritanopia

18.3990, 0.3576, 0.3137

Trichromacy



Original Color

18.4450, 0.3215, 0.2543

Protanomaly

18.3077, 0.2771, 0.2512

Deuteranomaly

18.4408, 0.2946, 0.2680

Tritanomaly

18.3771, 0.3430, 0.2906

Monochromacy



Original Color

18.4450, 0.3215, 0.2543

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9957, 0.3167, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4450, 0.3215, 0.2543 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, 102, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 149)  
}
```

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, 102, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 149) }
```

Border

The CSS property to change the border of an element to Yxy 18.4450, 0.3215, 0.2543 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, 102, 149) }
```

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

```
.border{ border-color:rgb(153, 102, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 149);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4450, 0.3215, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 149) }
```

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

```
.background{ background-color: rgb(153,  
102, 149) }
```

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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