

Converting Colors

$Y_{xy}(14.9931, 0.3202, 0.2296)$

Have a look what the booklet for
Yxy(14.9931, 0.3202, 0.2296)
contains.

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Color

Yxy(14.9931, 0.3202, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	955593
RGB	149, 85, 147
RGB Percent	58%, 33%, 58%
CMY	0.4157, 0.6667, 0.4235
CMYK	0.00, 0.43, 0.01, 0.42
HSL	302°, 27%, 46%
HSV	302°, 43%, 58%
XYZ	20.9094, 14.9931, 29.3985
YIQ	111.2040, 18.2420, 32.8500

Conversions

Conversions Part 2

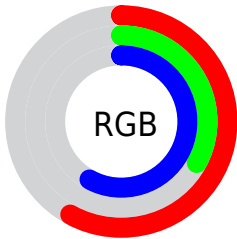
Format	Color
R _{YB}	149, 85, 147
Decimal	9786771
CIE Lab	45.62, 36.21, -23.02
CIE LCh	46, 42.908, 327.560
Yxy	14.9931, 0.3202, 0.2296
Android (android.graphics.Color)	4287976851 (0xFF955593)
YUV	111.2040, 17.6474, 33.1471
Hunter-Lab	38.7209, 28.6287, -17.9107

Details

The Yxy color **14.9931, 0.3202, 0.2296** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.1137, 0.3051, 0.4538**, and the grayscale version is **15.9029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6627, 0.3194, 0.2502**, and **4.5931, 0.3191, 0.1937** is the 20% darker color. If you saturate the color by 10%, you get **12.8750, 0.3220, 0.2092**, and if you desaturate by 10%, it is **17.6066, 0.3184, 0.2520**.

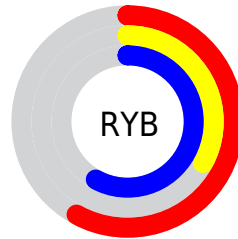
Distribution



Red (58%)

Green (33%)

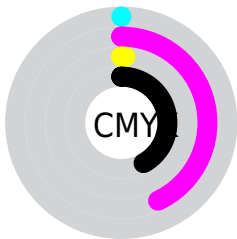
Blue (58%)



Red (58%)

Yellow (33%)

Blue (58%)

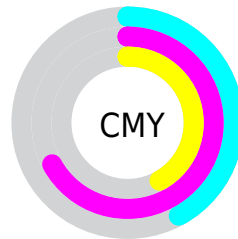


Cyan (0%)

Magenta (43%)

Yellow (1%)

Black (42%)



Cyan (42%)


Magenta (67%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9931, 0.3202, 0.2296 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 14.9931, 0.3202, 0.2296 by changing the saturation by 10% instead.


 14.9931, 0.3202,
0.2296


 14.9931, 0.3202,
0.2296


223.3245, 0.3174,
0.2841


 8.8145, 0.3203,
0.2144


 34.8411, 0.3196,
0.2506


 4.6204, 0.3199,
0.1939


 49.2793, 0.3192,
0.2581

 2.0263, 0.3181,
0.1651

 67.2395, 0.3189,
0.2643

 0.6227, 0.3137,
0.1185

 89.1061, 0.3185,
0.2696

 0.0000, 0.2805,
0.0000

 115.2635, 0.3182,
0.2740

 0.0000, 0.0000,
0.0000

146.0961, 0.3179,

0.2778

181.9883, 0.3177,
0.2812

■ 14.9931, 0.3202,
0.2296

■ 14.9931, 0.3202,
0.2296

■ 12.8750, 0.3220,
0.2092

■ 17.6066, 0.3184,
0.2520

■ 11.2190, 0.3238,
0.1915

■ 20.7421, 0.3165,
0.2754

■ 9.9910, 0.3254,
0.1774


■ 24.4265, 0.3148,
0.2990

■ 9.1511, 0.3268,
0.1673


■ 28.6845, 0.3132,
0.3223

■ 8.6523, 0.3279,
0.1613

■ 33.5392, 0.3117,
0.3447

 8.4141, 0.3287,
0.1584

 39.0124, 0.3103,
0.3658

 45.1249, 0.3091,
0.3855

 51.8963, 0.3080,
0.4036

 59.3457, 0.3070,
0.4202

Harmonies

Analogous

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



14.9931, 0.2405, 0.2038



14.9931, 0.3202, 0.2296



14.9931, 0.4096, 0.2751

Triad

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



14.9931, 0.3202, 0.2296



14.9931, 0.4407, 0.4543



14.9931, 0.1749, 0.2926

Complementary

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



14.9931, 0.3202, 0.2296



24.1137, 0.3051, 0.4538

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.



14.9931, 0.2161, 0.3855



14.9931, 0.3202, 0.2296



14.9931, 0.3689, 0.4900

Square

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



14.9931, 0.3202, 0.2296



14.9931, 0.4818, 0.3950



14.9931, 0.2867, 0.4682



14.9931, 0.1665, 0.2299

Rectangle

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



14.9931, 0.3202, 0.2296



14.9931, 0.4567, 0.3127



14.9931, 0.2867, 0.4682



14.9931, 0.1849, 0.3213

Sweetspot

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



14.9938, 0.3202, 0.2296



43.5234, 0.3149, 0.2983



10.6492, 0.2362, 0.2009



9.3320, 0.3152, 0.2935



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.



14.9938, 0.3202, 0.2296



23.0227, 0.3220, 0.2090



14.1464, 0.3672, 0.2764



5.9061, 0.3142, 0.3078



7.0827, 0.3286, 0.1584



0.0875, 0.3245, 0.1561

Inverse Universe

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



14.9938, 0.3202, 0.2296



23.0227, 0.3220, 0.2090



24.7353, 0.2798, 0.3895



5.9061, 0.3142, 0.3078



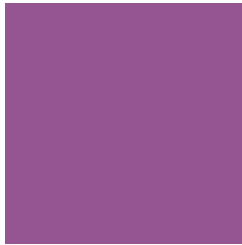
7.0827, 0.3286, 0.1584



0.0875, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 14.9931, 0.3202, 0.2296 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 14.9931, 0.3202, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

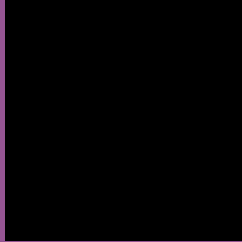
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9931, 0.3202, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 14.9931, 0.3202, 0.2296.

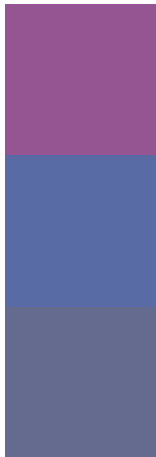


This preview shows how white text looks on a background with the Yxy color 14.9931, 0.3202, 0.2296.

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

14.9931, 0.3202, 0.2296

Protanopia

15.2704, 0.2334, 0.2230

Deuteranopia

15.2079, 0.2632, 0.2587



Tritanopia

14.9834, 0.3765, 0.3166

Trichromacy



Original Color

14.9931, 0.3202, 0.2296

Protanomaly

14.7073, 0.2583, 0.2226

Deuteranomaly

14.7888, 0.2823, 0.2461

Tritanomaly

14.8099, 0.3559, 0.2820

Monochromacy



Original Color

14.9931, 0.3202, 0.2296

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.3180, 0.3161, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9931, 0.3202, 0.2296 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, 85, 147)` looks like.

```
.text, #text, p{  
    color:rgb(149, 85, 147)  
}
```

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, 85, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 85, 147) }
```

Border

The CSS property to change the border of an element to Yxy 14.9931, 0.3202, 0.2296 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, 85, 147) }
```

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

```
.border{ border-color:rgb(149, 85, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 85, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 85, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 85, 147);  
box-shadow:4px 4px 4px 4px rgb(149, 85,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9931, 0.3202, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 85, 147) }
```

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

```
.background{ background-color: rgb(149, 85,  
147) }
```

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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