

Converting Colors

$Y_{xy}(18.0103, 0.3209, 0.2295)$

Have a look what the booklet for
Yxy(18.0103, 0.3209, 0.2295)
contains.

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Color

Yxy(18.0481, 0.3200, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	A25DA0
RGB	162, 93, 160
RGB Percent	64%, 36%, 63%
CMY	0.3648, 0.6352, 0.3726
CMYK	0.00, 0.43, 0.01, 0.36
HSL	302°, 27%, 50%
HSV	302°, 43%, 64%
XYZ	25.1541, 18.0481, 35.4045
YIQ	121.2690, 19.6170, 35.4650

Conversions

Conversions Part 2

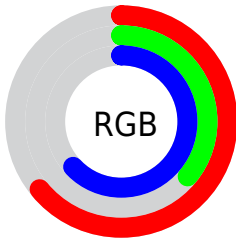
Format	Color
R_{YB}	162, 93, 160
Decimal	10640800
CIE _{Lab}	49.55, 38.45, -24.50
CIE _{LCh}	50, 45.598, 327.493
Yxy	18.0481, 0.3200, 0.2296
Android (android.graphics.Color)	4288830880 (0xFFA25DA0)
YUV	121.2690, 19.0944, 35.7211
Hunter-Lab	42.4831, 31.3442, -19.6729

Details

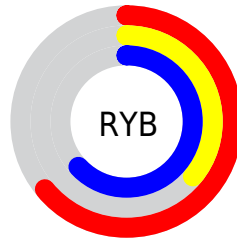
The Yxy color **18.0481, 0.3200, 0.2296** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.9869, 0.3052, 0.4537**, and the grayscale version is **19.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0625, 0.3193, 0.2493**, and **6.0617, 0.3209, 0.1970** is the 20% darker color. If you saturate the color by 10%, you get **15.4831, 0.3218, 0.2090**, and if you desaturate by 10%, it is **21.2170, 0.3182, 0.2522**.

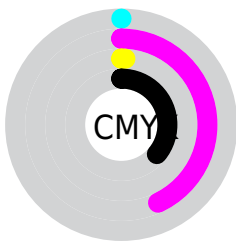
Distribution



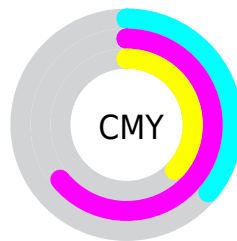
- Red (64%)
- Green (36%)
- Blue (63%)



- Red (64%)
- Yellow (36%)
- Blue (63%)



- Cyan (0%)
- Magenta (43%)
- Yellow (1%)
- Black (36%)




- Cyan (36%)
- Magenta (64%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0481, 0.3200, 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 18.0481, 0.3200, 0.2296 by changing the saturation by 10% instead.


 18.0481, 0.3200,
0.2296

 18.0481, 0.3200,
0.2296


241.1420, 0.3175,
0.2826


 10.9845, 0.3201,
0.2154


 40.1193, 0.3195,
0.2496


 6.0564, 0.3197,
0.1967


 55.8957, 0.3191,
0.2569

 2.8794, 0.3182,
0.1710

 75.3451, 0.3188,
0.2630

 1.0691, 0.3138,
0.1345

 98.8520, 0.3185,
0.2681

 0.0000, 0.3267,
0.0000

126.8007, 0.3182,
0.2725

 0.0000, 0.0000,
0.0000

159.5757, 0.3180,

0.2763

197.5614, 0.3177,
0.2796

■ 18.0481, 0.3200,
0.2296

■ 18.0481, 0.3200,
0.2296

■ 15.4831, 0.3218,
0.2090

■ 21.2170, 0.3182,
0.2522

■ 13.4813, 0.3235,
0.1912

■ 25.0225, 0.3164,
0.2758

■ 12.0007, 0.3250,
0.1770

■ 29.4976, 0.3147,
0.2997


■ 10.9924, 0.3263,
0.1669


■ 34.6725, 0.3131,
0.3231


■ 10.3984, 0.3275,
0.1609

■ 40.5754, 0.3116,
0.3456

 10.1227, 0.3282,
0.1582

 47.2332, 0.3103,
0.3669

 54.6711, 0.3091,
0.3867

 62.9134, 0.3080,
0.4049

 71.9832, 0.3070,
0.4216

Harmonies

Analogous

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



18.0481, 0.2404, 0.2039



18.0481, 0.3200, 0.2296



18.0481, 0.4093, 0.2750

Triad

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



18.0481, 0.3200, 0.2296



18.0481, 0.4408, 0.4541



18.0481, 0.1751, 0.2928

Complementary

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



18.0481, 0.3200, 0.2296



28.9869, 0.3052, 0.4537

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.



18.0481, 0.2163, 0.3856



18.0481, 0.3200, 0.2296



18.0481, 0.3690, 0.4898

Square

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



18.0481, 0.3200, 0.2296



18.0481, 0.4817, 0.3949



18.0481, 0.2869, 0.4682



18.0481, 0.1666, 0.2301

Rectangle

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



18.0481, 0.3200, 0.2296



18.0481, 0.4565, 0.3126



18.0481, 0.2869, 0.4682



18.0481, 0.1851, 0.3215

Sweetspot

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



18.0489, 0.3200, 0.2296



52.9781, 0.3148, 0.2981



12.8295, 0.2364, 0.2012



11.4915, 0.3152, 0.2930



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.



18.0489, 0.3200, 0.2296



28.3669, 0.3217, 0.2101



17.0271, 0.3670, 0.2765



7.1986, 0.3142, 0.3075



7.9788, 0.3281, 0.1581



0.1687, 0.3253, 0.1566

Inverse Universe

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



18.0489, 0.3200, 0.2296



28.3669, 0.3217, 0.2101



29.7359, 0.2799, 0.3894



7.1986, 0.3142, 0.3075



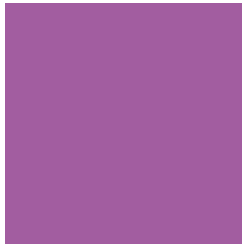
7.9788, 0.3281, 0.1581



0.1687, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 18.0481, 0.3200, 0.2296 looks on a white background.

Color Contrast Check

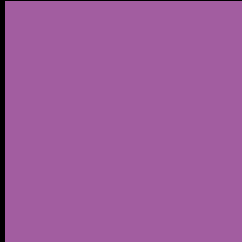
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0481, 0.3200, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

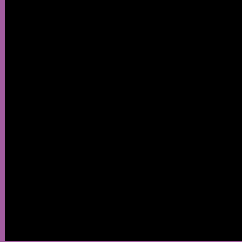
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0481, 0.3200, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 18.0481, 0.3200, 0.2296.



This preview shows how white text looks on a background with the Yxy color 18.0481, 0.3200, 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

18.0481, 0.3200, 0.2296

Protanopia

18.2465, 0.2340, 0.2223

Deuteranopia

18.1423, 0.2625, 0.2567



Tritanopia

18.1162, 0.3774, 0.3176

Trichromacy



Original Color

18.0481, 0.3200, 0.2296

Protanomaly

17.7303, 0.2601, 0.2239

Deuteranomaly

17.7486, 0.2813, 0.2453

Tritanomaly

17.9684, 0.3555, 0.2824

Monochromacy



Original Color

18.0481, 0.3200, 0.2296

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.3524, 0.3160, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0481, 0.3200, 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(162, 93, 160)` looks like.

```
.text, #text, p{  
    color:rgb(162, 93, 160)  
}
```

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(162, 93, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 93, 160) }
```

Border

The CSS property to change the border of an element to Yxy 18.0481, 0.3200, 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(162, 93, 160) }
```

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

```
.border{ border-color:rgb(162, 93, 160) }
```

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

Here you see how a box with a 4 pixel rgb(162, 93, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 93, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 93, 160);  
box-shadow:4px 4px 4px 4px rgb(162, 93,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0481, 0.3200, 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(162, 93, 160) }
```

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

```
.background{ background-color: rgb(162, 93,  
160) }
```

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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