

Converting Colors

$Y_{xy}(18.5748, 0.4050, 0.3189)$

Have a look what the booklet for
Yxy(18.5748, 0.4050, 0.3189)
contains.

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Color

Yxy(18.5900, 0.4049, 0.3200)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A9646A |
| RGB | 169, 100, 106 |
| RGB Percent | 66%, 39%, 42% |
| CMY | 0.3372, 0.6078, 0.5843 |
| CMYK | 0.00, 0.41, 0.37, 0.34 |
| HSL | 355°, 29%, 53% |
| HSV | 355°, 41%, 66% |
| XYZ | 23.5222, 18.5900, 15.9816 |
| YIQ | 121.3150, 39.1980, 16.4940 |

Conversions

Conversions Part 2

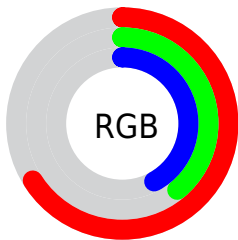
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 169, 100, 106 |
| Decimal | 11101290 |
| CIE _{Lab} | 50.20, 28.56, 8.65 |
| CIE _{LCh} | 50, 29.836, 16.844 |
| Yxy | 18.5900, 0.4049, 0.3200 |
| Android (android.graphics.Color) | 4289291370 (0xFFA9646A) |
| YUV | 121.3150, -7.5503, 41.8197 |
| Hunter-Lab | 43.1161, 21.9281, 8.2046 |

Details

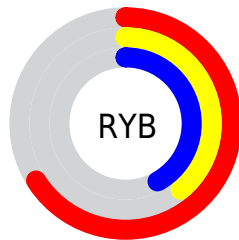
The Yxy color **18.5900, 0.4049, 0.3200** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.7341, 0.2617, 0.3387**, and the grayscale version is **19.2435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0595, 0.3833, 0.3233**, and **6.2608, 0.4445, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **15.3855, 0.4411, 0.3181**, and if you desaturate by 10%, it is **22.5266, 0.3746, 0.3222**.

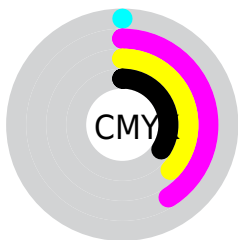
Distribution



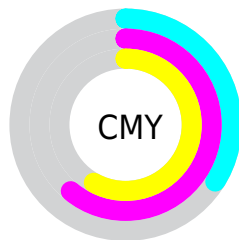
- Red (66%)
- Green (39%)
- Blue (42%)



- Red (66%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (41%)
- Yellow (37%)
- Black (34%)




- Cyan (34%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5900, 0.4049, 0.3200 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 18.5900, 0.4049, 0.3200 by changing the saturation by 10% instead.


 18.5900, 0.4049,
0.3200


 18.5900, 0.4049,
0.3200


244.1759, 0.3514,
0.3264


 11.3744, 0.4215,
0.3174


 41.0401, 0.3833,
0.3229


 6.3193, 0.4451,
0.3133


 57.0435, 0.3759,
0.3238

 3.0402, 0.4812,
0.3058

 76.7448, 0.3698,
0.3245

 1.1527, 0.5478,
0.2931

 100.5286, 0.3649,
0.3251

 0.0226, 0.9695,
0.0305

128.7792, 0.3607,
0.3255

 0.0000, 0.0000,
0.0000

161.8810, 0.3571,

0.3258

200.2185, 0.3541,
0.3261

■ 18.5900, 0.4049,
0.3200

■ 18.5900, 0.4049,
0.3200

■ 15.3855, 0.4411,
0.3181

■ 22.5266, 0.3746,
0.3222

■ 12.8655, 0.4828,
0.3169

■ 27.2338, 0.3499,
0.3245

■ 10.9807, 0.5276,
0.3169


■ 32.7505, 0.3300,
0.3267


■ 9.6744, 0.5710,
0.3184


■ 39.1124, 0.3139,
0.3288


■ 8.8798, 0.6068,
0.3215


■ 46.3529, 0.3009,
0.3308

 8.4697, 0.6296,
0.3242

 54.5037, 0.2905,
0.3325

 63.5949, 0.2819,
0.3341

 73.6551, 0.2749,
0.3356

 84.7118, 0.2691,
0.3369

Harmonies

Analogous

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



18.5900, 0.3565, 0.2804



18.5900, 0.4049, 0.3200



18.5900, 0.4257, 0.3641

Triad

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



18.5900, 0.4049, 0.3200



18.5900, 0.3185, 0.4251



18.5900, 0.2192, 0.2479

Complementary

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



18.5900, 0.4049, 0.3200



33.7341, 0.2617, 0.3387

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.



18.5900, 0.2114, 0.2779



18.5900, 0.4049, 0.3200



18.5900, 0.2654, 0.3854

Square

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



18.5900, 0.4049, 0.3200



18.5900, 0.3726, 0.4300



18.5900, 0.2273, 0.3281



18.5900, 0.2495, 0.2400

Rectangle

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



18.5900, 0.4049, 0.3200



18.5900, 0.4206, 0.3922



18.5900, 0.2273, 0.3281



18.5900, 0.2140, 0.2554

Sweetspot

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



18.5909, 0.4049, 0.3200



57.1918, 0.3325, 0.3264



19.6721, 0.3089, 0.2281



12.1890, 0.3348, 0.3262



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.5909, 0.4049, 0.3200



28.0451, 0.4374, 0.3183



24.6915, 0.3962, 0.3715



7.5525, 0.3272, 0.3271



6.3152, 0.6281, 0.3234



0.1568, 0.5801, 0.2969

Inverse Universe

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



18.5909, 0.4049, 0.3200



28.0451, 0.4374, 0.3183



24.7441, 0.2503, 0.2815



7.5525, 0.3272, 0.3271



6.3152, 0.6281, 0.3234



0.1568, 0.5801, 0.2969

Previews

White Background



This preview shows how the Yxy color 18.5900, 0.4049, 0.3200 looks on a white background.

Color Contrast Check

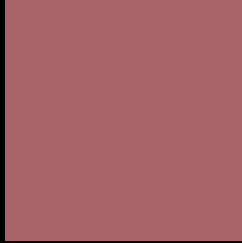
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5900, 0.4049, 0.3200 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 18.5900, 0.4049, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 18.5900, 0.4049, 0.3200.



This preview shows how white text looks on a background with the Yxy color 18.5900, 0.4049, 0.3200.

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

18.5900, 0.4049, 0.3200

Protanopia

18.6656, 0.3213, 0.3347

Deuteranopia

18.5591, 0.3574, 0.3510



Tritanopia

18.6109, 0.4033, 0.3184

Trichromacy



Original Color

18.5900, 0.4049, 0.3200

Protanomaly

18.3336, 0.3507, 0.3291

Deuteranomaly

18.5409, 0.3748, 0.3395

Tritanomaly

18.6109, 0.4033, 0.3184

Monochromacy



Original Color

18.5900, 0.4049, 0.3200

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4745, 0.3424, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5900, 0.4049, 0.3200 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(169, 100, 106)` looks like.

```
.text, #text, p{  
    color:rgb(169, 100, 106)  
}
```

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(169, 100, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 100, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.5900, 0.4049, 0.3200 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(169, 100, 106) }
```

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

```
.border{ border-color:rgb(169, 100, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 100, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 100, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 100, 106);  
box-shadow:4px 4px 4px 4px rgb(169, 100,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5900, 0.4049, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 100, 106) }
```

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

```
.background{ background-color: rgb(169,  
100, 106) }
```

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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