

Converting Colors

$Y_{xy}(18.4187, 0.3642, 0.2709)$

Have a look what the booklet for
Yxy(18.4187, 0.3642, 0.2709)
contains.

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Color

Yxy(18.5220, 0.3644, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	A96086
RGB	169, 96, 134
RGB Percent	66%, 38%, 53%
CMY	0.3372, 0.6235, 0.4745
CMYK	0.00, 0.43, 0.21, 0.34
HSL	329°, 30%, 52%
HSV	329°, 43%, 66%
XYZ	24.8506, 18.5220, 24.8233
YIQ	122.1590, 31.3100, 27.2940

Conversions

Conversions Part 2

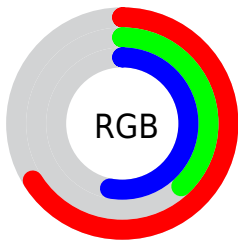
Format	Color
R _Y B	169, 96, 134
Decimal	11100294
CIE Lab	50.12, 34.71, -8.17
CIE LCh	50, 35.655, 346.748
Yxy	18.5220, 0.3644, 0.2716
Android (android.graphics.Color)	4289290374 (0xFFA96086)
YUV	122.1590, 5.8376, 41.0796
Hunter-Lab	43.0372, 27.7546, -4.0717

Details

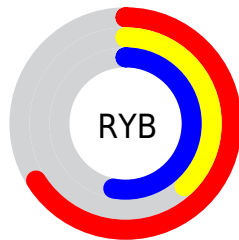
The Yxy color **18.5220, 0.3644, 0.2716** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.5057, 0.2813, 0.3957**, and the grayscale version is **19.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9364, 0.3534, 0.2841**, and **6.3180, 0.3859, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **15.5460, 0.3823, 0.2592**, and if you desaturate by 10%, it is **22.1800, 0.3489, 0.2850**.

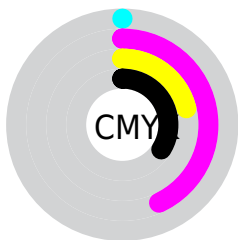
Distribution



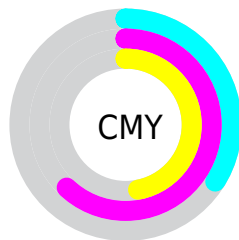
- Red (66%)
- Green (38%)
- Blue (53%)



- Red (66%)
- Yellow (38%)
- Blue (53%)



- Cyan (0%)
- Magenta (43%)
- Yellow (21%)
- Black (34%)





- Cyan (34%)
- Magenta (62%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5220, 0.3644, 0.2716 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 18.5220, 0.3644, 0.2716 by changing the saturation by 10% instead.


 18.5220, 0.3644,
0.2716


 18.5220, 0.3644,
0.2716


243.7971, 0.3353,
0.3034


 11.3254, 0.3730,
0.2625


 40.9248, 0.3529,
0.2840


 6.2861, 0.3850,
0.2500


 56.8998, 0.3489,
0.2884

 3.0198, 0.4029,
0.2318

 76.5697, 0.3456,
0.2920

 1.1421, 0.4322,
0.2031

 100.3190, 0.3428,
0.2950

 0.0136, 0.5892,
0.0093

128.5320, 0.3405,
0.2976

 0.0000, 0.0000,
0.0000

161.5930, 0.3385,

0.2998

199.8866, 0.3368,
0.3017

■ 18.5220, 0.3644,
0.2716

■ 18.5220, 0.3644,
0.2716

■ 15.5460, 0.3823,
0.2592

■ 22.1800, 0.3489,
0.2850

■ 13.2061, 0.4025,
0.2489

■ 26.5569, 0.3357,
0.2987

■ 11.4549, 0.4244,
0.2417


■ 31.6900, 0.3246,
0.3122

■ 10.2370, 0.4475,
0.2390

■ 37.6131, 0.3153,
0.3250


■ 9.4863, 0.4704,
0.2414


■ 44.3582, 0.3076,
0.3371

 9.1408, 0.4859,
0.2450

 51.9554, 0.3013,
0.3484

 60.4332, 0.2960,
0.3587

 69.8188, 0.2916,
0.3683

 80.1383, 0.2880,
0.3770

Harmonies

Analogous

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



18.5220, 0.2951, 0.2390



18.5220, 0.3644, 0.2716



18.5220, 0.4230, 0.3170

Triad

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



18.5220, 0.3644, 0.2716



18.5220, 0.3825, 0.4493



18.5220, 0.1941, 0.2673

Complementary

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



18.5220, 0.3644, 0.2716



32.5057, 0.2813, 0.3957

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.



18.5220, 0.2119, 0.3269



18.5220, 0.3644, 0.2716



18.5220, 0.3183, 0.4461

Square

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



18.5220, 0.3644, 0.2716



18.5220, 0.4309, 0.4165



18.5220, 0.2560, 0.3976



18.5220, 0.2031, 0.2332

Rectangle

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



18.5220, 0.3644, 0.2716



18.5220, 0.4441, 0.3508



18.5220, 0.2560, 0.3976



18.5220, 0.1970, 0.2846

Sweetspot

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



18.5229, 0.3644, 0.2716



56.7156, 0.3246, 0.3121



15.9814, 0.2702, 0.2100



11.9096, 0.3268, 0.3093



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.



18.5229, 0.3644, 0.2716



27.9670, 0.3818, 0.2595



17.6913, 0.4191, 0.3256



7.6051, 0.3208, 0.3173



6.8224, 0.4837, 0.2438



0.1762, 0.4167, 0.2069

Inverse Universe

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



18.5229, 0.3644, 0.2716



27.9670, 0.3818, 0.2595



33.6415, 0.2567, 0.3328



7.6051, 0.3208, 0.3173



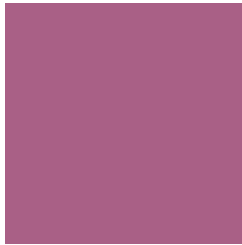
6.8224, 0.4837, 0.2438



0.1762, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 18.5220, 0.3644, 0.2716 looks on a white background.

Color Contrast Check

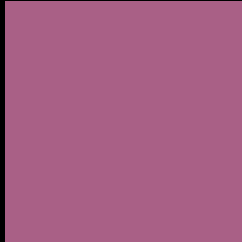
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5220, 0.3644, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

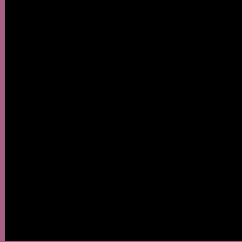
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5220, 0.3644, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 18.5220, 0.3644, 0.2716.



This preview shows how white text looks on a background with the Yxy color 18.5220, 0.3644, 0.2716.

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

18.5220, 0.3644, 0.2716

Protanopia

18.8083, 0.2727, 0.2742

Deuteranopia

18.5381, 0.3089, 0.3033



Tritanopia

18.4971, 0.3972, 0.3182

Trichromacy



Original Color

18.5220, 0.3644, 0.2716

Protanomaly

18.3690, 0.3016, 0.2717

Deuteranomaly

18.3268, 0.3291, 0.2911

Tritanomaly

18.4235, 0.3859, 0.3012

Monochromacy



Original Color

18.5220, 0.3644, 0.2716

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8056, 0.3308, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5220, 0.3644, 0.2716 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, 96, 134)` looks like.

```
.text, #text, p{  
    color:rgb(169, 96, 134)  
}
```

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, 96, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 96, 134) }
```

Border

The CSS property to change the border of an element to Yxy 18.5220, 0.3644, 0.2716 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, 96, 134) }
```

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

```
.border{ border-color:rgb(169, 96, 134) }
```

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

Here you see how a box with a 4 pixel rgb(169, 96, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 96, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 96, 134);  
box-shadow:4px 4px 4px 4px rgb(169, 96,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5220, 0.3644, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 96, 134) }
```

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

```
.background{ background-color: rgb(169, 96,  
134) }
```

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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