

Converting Colors

$Y_{xy}(19.7293, 0.3444, 0.2722)$

Have a look what the booklet for
Yxy(19.7293, 0.3444, 0.2722)
contains.

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Color

Yxy(19.6102, 0.3446, 0.2718)

Conversions

Conversions Part 1

Format	Color
Hex	A3688D
RGB	163, 104, 141
RGB Percent	64%, 41%, 55%
CMY	0.3608, 0.5921, 0.4470
CMYK	0.00, 0.36, 0.13, 0.36
HSL	322°, 24%, 52%
HSV	322°, 36%, 64%
XYZ	24.8627, 19.6102, 27.6765
YIQ	125.8590, 23.2870, 24.0150

Conversions

Conversions Part 2

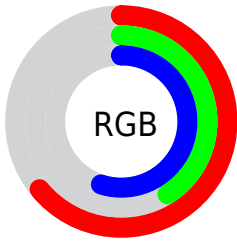
Format	Color
R _Y B	163, 104, 141
Decimal	10709133
CIE Lab	51.39, 29.28, -10.50
CIE LCh	51, 31.106, 340.281
Yxy	19.6102, 0.3446, 0.2718
Android (android.graphics.Color)	4288899213 (0xFFA3688D)
YUV	125.8590, 7.4645, 32.5727
Hunter-Lab	44.2834, 22.7219, -6.0570

Details

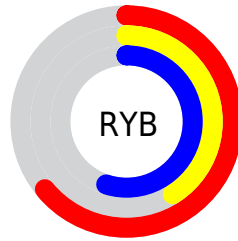
The Yxy color **19.6102, 0.3446, 0.2718** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.6442, 0.2906, 0.3945**, and the grayscale version is **20.7825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7771, 0.3376, 0.2834**, and **6.8027, 0.3562, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **16.4647, 0.3569, 0.2562**, and if you desaturate by 10%, it is **23.4017, 0.3339, 0.2880**.

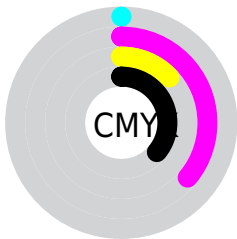
Distribution



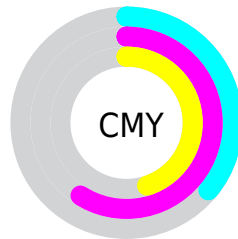
- Red (64%)
- Green (41%)
- Blue (55%)



- Red (64%)
- Yellow (41%)
- Blue (55%)



- Cyan (0%)
- Magenta (36%)
- Yellow (13%)
- Black (36%)





- Cyan (36%)
- Magenta (59%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6102, 0.3446, 0.2718 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 19.6102, 0.3446, 0.2718 by changing the saturation by 10% instead.


 19.6102, 0.3446,
0.2718


 19.6102, 0.3446,
0.2718


249.7970, 0.3270,
0.3031


 12.1120, 0.3496,
0.2630


 42.7627, 0.3378,
0.2839

 6.8200, 0.3565,
0.2509


 59.1858, 0.3354,
0.2882

 3.3498, 0.3664,
0.2336

 79.3526, 0.3334,
0.2918

 1.3170, 0.3821,
0.2068

 103.6476, 0.3317,
0.2948

 0.1543, 0.4493,
0.0805

132.4552, 0.3303,
0.2973

 0.0000, 0.0000,
0.0000

166.1596, 0.3290,

0.2995

205.1455, 0.3280,
0.3014

■ 19.6102, 0.3446,
0.2718

■ 19.6102, 0.3446,
0.2718

■ 16.4647, 0.3569,
0.2562

■ 23.4017, 0.3339,
0.2880

■ 13.9256, 0.3708,
0.2420

■ 27.8705, 0.3247,
0.3041

■ 11.9532, 0.3860,
0.2303


■ 33.0488, 0.3169,
0.3197

■ 10.5020, 0.4022,
0.2221


■ 38.9662, 0.3104,
0.3345


■ 9.5193, 0.4188,
0.2185


■ 45.6506, 0.3049,
0.3484

 8.9319, 0.4352,
0.2196

 53.1284, 0.3003,
0.3613

 8.7506, 0.4416,
0.2206

 61.4246, 0.2965,
0.3731

 70.5633, 0.2933,
0.3840

 80.5676, 0.2907,
0.3940

Harmonies

Analogous

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



19.6102, 0.2859, 0.2461



19.6102, 0.3446, 0.2718



19.6102, 0.3982, 0.3102

Triad

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



19.6102, 0.3446, 0.2718



19.6102, 0.3846, 0.4288



19.6102, 0.2107, 0.2862

Complementary

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



19.6102, 0.3446, 0.2718



30.6442, 0.2906, 0.3945

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.



19.6102, 0.2320, 0.3409



19.6102, 0.3446, 0.2718



19.6102, 0.3310, 0.4319

Square

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



19.6102, 0.3446, 0.2718



19.6102, 0.4207, 0.3979



19.6102, 0.2752, 0.3983



19.6102, 0.2134, 0.2508

Rectangle

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



19.6102, 0.3446, 0.2718



19.6102, 0.4209, 0.3397



19.6102, 0.2752, 0.3983



19.6102, 0.2151, 0.3028

Sweetspot

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



19.6111, 0.3446, 0.2718



54.3796, 0.3206, 0.3120



16.9535, 0.2720, 0.2293



11.9493, 0.3217, 0.3100



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.



19.6111, 0.3446, 0.2718



30.7358, 0.3538, 0.2598



18.8547, 0.3858, 0.3166



7.1572, 0.3192, 0.3150



6.8098, 0.4402, 0.2198



0.1518, 0.3874, 0.1908

Inverse Universe

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



19.6111, 0.3446, 0.2718



30.7358, 0.3538, 0.2598



31.5090, 0.2686, 0.3422



7.1572, 0.3192, 0.3150



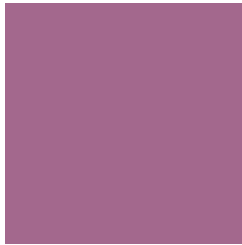
6.8098, 0.4402, 0.2198



0.1518, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 19.6102, 0.3446, 0.2718 looks on a white background.

Color Contrast Check

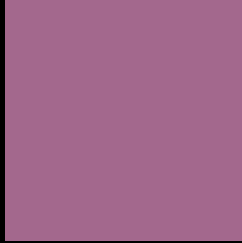
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6102, 0.3446, 0.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

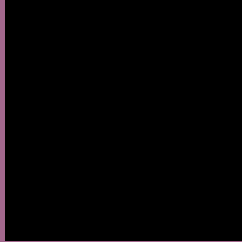
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6102, 0.3446, 0.2718

Background



This preview shows how black text looks on a background with the Yxy color 19.6102, 0.3446, 0.2718.



This preview shows how white text looks on a background with the Yxy color 19.6102, 0.3446, 0.2718.

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

19.6102, 0.3446, 0.2718

Protanopia

19.8638, 0.2726, 0.2737

Deuteranopia

19.8571, 0.3021, 0.2969



Tritanopia

19.6952, 0.3721, 0.3162

Trichromacy



Original Color

19.6102, 0.3446, 0.2718

Protanomaly

19.3369, 0.2949, 0.2706

Deuteranomaly

19.5614, 0.3172, 0.2865

Tritanomaly

19.5988, 0.3617, 0.2988

Monochromacy



Original Color

19.6102, 0.3446, 0.2718

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0845, 0.3238, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6102, 0.3446, 0.2718 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(163, 104, 141)` looks like.

```
.text, #text, p{  
    color:rgb(163, 104, 141)  
}
```

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(163, 104, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 104, 141) }
```

Border

The CSS property to change the border of an element to Yxy 19.6102, 0.3446, 0.2718 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(163, 104, 141) }
```

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

```
.border{ border-color:rgb(163, 104, 141) }
```

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

Here you see how a box with a 4 pixel rgb(163, 104, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 104, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 104, 141);  
box-shadow:4px 4px 4px 4px rgb(163, 104,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6102, 0.3446, 0.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 104, 141) }
```

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

```
.background{ background-color: rgb(163,  
104, 141) }
```

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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