

Converting Colors

$Y_{xy}(19.6809, 0.3207, 0.2450)$

Have a look what the booklet for
Yxy(19.6809, 0.3207, 0.2450)
contains.

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Color

Yxy(19.5484, 0.3205, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	A1669E
RGB	161, 102, 158
RGB Percent	63%, 40%, 62%
CMY	0.3686, 0.6000, 0.3803
CMYK	0.00, 0.37, 0.02, 0.37
HSL	303°, 24%, 52%
HSV	303°, 37%, 63%
XYZ	25.6248, 19.5484, 34.7794
YIQ	126.0250, 17.1880, 29.9240

Conversions

Conversions Part 2

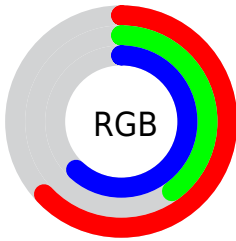
Format	Color
R_{YB}	161, 102, 158
Decimal	10577566
CIE _{Lab}	51.32, 32.82, -20.64
CIE _{LCh}	51, 38.773, 327.834
Yxy	19.5484, 0.3205, 0.2445
Android (android.graphics.Color)	4288767646 (0xFFA1669E)
YUV	126.0250, 15.7637, 30.6731
Hunter-Lab	44.2136, 26.0792, -15.6893

Details

The Yxy color **19.5484, 0.3205, 0.2445** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.3401, 0.3053, 0.4312**, and the grayscale version is **20.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6670, 0.3196, 0.2613**, and **6.7750, 0.3219, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **16.6581, 0.3229, 0.2230**, and if you desaturate by 10%, it is **23.0553, 0.3182, 0.2674**.

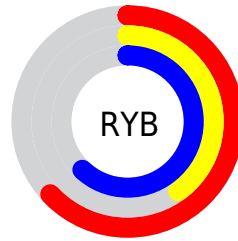
Distribution



Red (63%)

Green (40%)

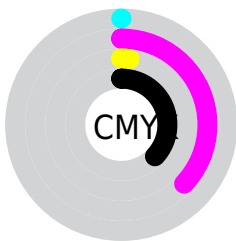
Blue (62%)



Red (63%)

Yellow (40%)

Blue (62%)

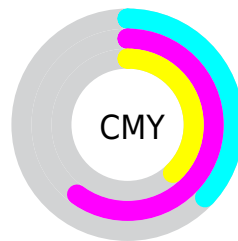


Cyan (0%)

Magenta (37%)

Yellow (2%)

Black (37%)



Cyan (37%)

Magenta (60%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5484, 0.3205, 0.2445 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 19.5484, 0.3205, 0.2445 by changing the saturation by 10% instead.

■ 19.5484, 0.3205,
0.2445

■ 19.5484, 0.3205,
0.2445

249.4597, 0.3173,
0.2897

■ 12.0672, 0.3210,
0.2323

■ 42.6587, 0.3196,
0.2616

■ 6.7895, 0.3213,
0.2160

■ 59.0567, 0.3191,
0.2678

■ 3.3308, 0.3210,
0.1935

■ 79.1956, 0.3187,
0.2730

■ 1.3068, 0.3192,
0.1606

■ 103.4600, 0.3184,
0.2774

■ 0.1464, 0.3320,
0.0515

132.2342, 0.3181,
0.2811

■ 0.0000, 0.0000,
0.0000

165.9027, 0.3178,

0.2844

204.8497, 0.3175,
0.2872

■ 19.5484, 0.3205,
0.2445

■ 19.5484, 0.3205,
0.2445

■ 16.6581, 0.3229,
0.2230

■ 23.0553, 0.3182,
0.2674

■ 14.3461, 0.3253,
0.2037

■ 27.2091, 0.3160,
0.2908

■ 12.5738, 0.3276,
0.1875


■ 32.0411, 0.3140,
0.3140


■ 11.2969, 0.3297,
0.1751


■ 37.5799, 0.3121,
0.3364

■ 10.4640, 0.3316,
0.1668

■ 43.8526, 0.3104,
0.3577

 9.9994, 0.3334,
0.1625

 50.8846, 0.3090,
0.3776

 9.8736, 0.3339,
0.1613

 58.7002, 0.3077,
0.3960

 67.3227, 0.3065,
0.4129

 76.7744, 0.3055,
0.4283

Harmonies

Analogous

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



19.5484, 0.2529, 0.2219



19.5484, 0.3205, 0.2445



19.5484, 0.3938, 0.2845

Triad

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



19.5484, 0.3205, 0.2445



19.5484, 0.4219, 0.4373



19.5484, 0.1955, 0.3000

Complementary

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



19.5484, 0.3205, 0.2445



29.3401, 0.3053, 0.4312

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.



19.5484, 0.2319, 0.3750



19.5484, 0.3205, 0.2445



19.5484, 0.3620, 0.4620

Square

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



19.5484, 0.3205, 0.2445



19.5484, 0.4545, 0.3891



19.5484, 0.2923, 0.4409



19.5484, 0.1876, 0.2463

Rectangle

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



19.5484, 0.3205, 0.2445



19.5484, 0.4323, 0.3176



19.5484, 0.2923, 0.4409



19.5484, 0.2045, 0.3236

Sweetspot

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



19.5493, 0.3205, 0.2445



53.2802, 0.3149, 0.3035



15.0746, 0.2507, 0.2223



11.4478, 0.3151, 0.3006



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.5493, 0.3205, 0.2445



30.6950, 0.3224, 0.2268



18.6531, 0.3597, 0.2869



7.1959, 0.3145, 0.3079



7.8856, 0.3338, 0.1612



0.1675, 0.3287, 0.1584

Inverse Universe

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



19.5493, 0.3205, 0.2445



30.6950, 0.3224, 0.2268



30.0543, 0.2822, 0.3759



7.1959, 0.3145, 0.3079



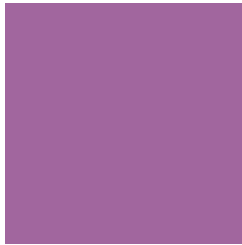
7.8856, 0.3338, 0.1612



0.1675, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 19.5484, 0.3205, 0.2445 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 19.5484, 0.3205, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

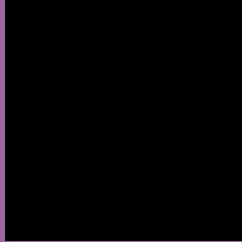
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5484, 0.3205, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 19.5484, 0.3205, 0.2445.



This preview shows how white text looks on a background with the Yxy color 19.5484, 0.3205, 0.2445.

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

19.5484, 0.3205, 0.2445

Protanopia

19.7791, 0.2484, 0.2415

Deuteranopia

19.6511, 0.2735, 0.2674



Tritanopia

19.5278, 0.3650, 0.3160

Trichromacy



Original Color

19.5484, 0.3205, 0.2445

Protanomaly

19.3367, 0.2710, 0.2410

Deuteranomaly

19.2789, 0.2897, 0.2569

Tritanomaly

19.4779, 0.3481, 0.2874

Monochromacy



Original Color

19.5484, 0.3205, 0.2445

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0465, 0.3156, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5484, 0.3205, 0.2445 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(161, 102, 158)` looks like.

```
.text, #text, p{  
    color:rgb(161, 102, 158)  
}
```

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(161, 102, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 102, 158) }
```

Border

The CSS property to change the border of an element to Yxy 19.5484, 0.3205, 0.2445 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(161, 102, 158) }
```

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

```
.border{ border-color:rgb(161, 102, 158) }
```

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

Here you see how a box with a 4 pixel rgb(161, 102, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 102, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 102, 158);  
box-shadow:4px 4px 4px 4px rgb(161, 102,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5484, 0.3205, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 102, 158) }
```

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

```
.background{ background-color: rgb(161,  
102, 158) }
```

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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