

Converting Colors

$Y_{xy}(20.2191, 0.3183, 0.2476)$

Have a look what the booklet for
Yxy(20.2191, 0.3183, 0.2476)
contains.

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Color

Yxy(20.1834, 0.3190, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	A1699F
RGB	161, 105, 159
RGB Percent	63%, 41%, 62%
CMY	0.3687, 0.5882, 0.3764
CMYK	0.00, 0.35, 0.01, 0.37
HSL	302°, 23%, 52%
HSV	302°, 35%, 63%
XYZ	26.0037, 20.1834, 35.3291
YIQ	127.9000, 16.0420, 28.6660

Conversions

Conversions Part 2

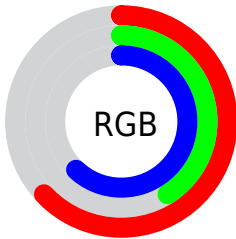
Format	Color
R _Y B	161, 105, 159
Decimal	10578335
CIE Lab	52.04, 31.30, -20.11
CIE LCh	52, 37.204, 327.271
Yxy	20.1834, 0.3190, 0.2476
Android (android.graphics.Color)	4288768415 (0xFFA1699F)
YUV	127.9000, 15.3323, 29.0287
Hunter-Lab	44.9259, 24.6975, -15.1766

Details

The Yxy color **20.1834, 0.3190, 0.2476** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.5455, 0.3064, 0.4266**, and the grayscale version is **21.4923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7207, 0.3185, 0.2637**, and **7.0780, 0.3197, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **17.1895, 0.3210, 0.2255**, and if you desaturate by 10%, it is **23.7999, 0.3171, 0.2709**.

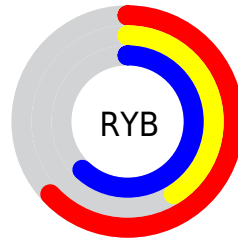
Distribution



Red (63%)

Green (41%)

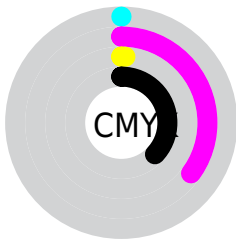
Blue (62%)



Red (63%)

Yellow (41%)

Blue (62%)

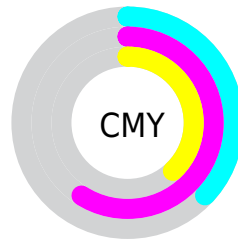


Cyan (0%)

Magenta (35%)

Yellow (1%)

Black (37%)



Cyan (37%)


Magenta (59%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1834, 0.3190, 0.2476 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 20.1834, 0.3190, 0.2476 by changing the saturation by 10% instead.


 20.1834, 0.3190,
0.2476


 20.1834, 0.3190,
0.2476


252.9062, 0.3165,
0.2911


 12.5284, 0.3193,
0.2359


 43.7245, 0.3183,
0.2641

 7.1046, 0.3193,
0.2203


 60.3793, 0.3180,
0.2700

 3.5276, 0.3188,
0.1986

 80.8030, 0.3177,
0.2750

 1.4130, 0.3167,
0.1670

 105.3797, 0.3174,
0.2792

 0.2263, 0.3243,
0.0744

134.4941, 0.3172,
0.2828

 0.0000, 0.0000,
0.0000

168.5303, 0.3169,

0.2859

207.8729, 0.3167,
0.2887

■ 20.1834, 0.3190,
0.2476

■ 20.1834, 0.3190,
0.2476

■ 17.1895, 0.3210,
0.2255

■ 23.7999, 0.3171,
0.2709

■ 14.7804, 0.3229,
0.2055

■ 28.0686, 0.3152,
0.2947

■ 12.9183, 0.3247,
0.1885

■ 33.0206, 0.3135,
0.3181


■ 11.5601, 0.3264,
0.1752


■ 38.6841, 0.3119,
0.3407


■ 10.6560, 0.3279,
0.1660

■ 45.0858, 0.3104,
0.3621

 10.1446, 0.3292,
0.1609

 52.2509, 0.3091,
0.3821

 9.9515, 0.3298,
0.1590

 60.2034, 0.3080,
0.4005

 68.9665, 0.3070,
0.4174

 78.5622, 0.3060,
0.4328

Harmonies

Analogous

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



20.1834, 0.2548, 0.2263



20.1834, 0.3190, 0.2476



20.1834, 0.3886, 0.2858

Triad

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



20.1834, 0.3190, 0.2476



20.1834, 0.4180, 0.4320



20.1834, 0.2012, 0.3031

Complementary

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



20.1834, 0.3190, 0.2476



29.5455, 0.3064, 0.4266

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.



20.1834, 0.2368, 0.3741



20.1834, 0.3190, 0.2476



20.1834, 0.3614, 0.4551

Square

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



20.1834, 0.3190, 0.2476



20.1834, 0.4480, 0.3863



20.1834, 0.2950, 0.4354



20.1834, 0.1929, 0.2512

Rectangle

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



20.1834, 0.3190, 0.2476



20.1834, 0.4254, 0.3176



20.1834, 0.2950, 0.4354



20.1834, 0.2101, 0.3256

Sweetspot

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



20.1843, 0.3190, 0.2476



54.1897, 0.3144, 0.3055



15.7974, 0.2535, 0.2284



11.6328, 0.3146, 0.3024



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.



20.1843, 0.3190, 0.2476



31.7693, 0.3206, 0.2297



19.3230, 0.3551, 0.2877



7.1979, 0.3143, 0.3076



7.9523, 0.3297, 0.1590



0.1683, 0.3263, 0.1571

Inverse Universe

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



20.1843, 0.3190, 0.2476



31.7693, 0.3206, 0.2297



30.2296, 0.2843, 0.3748



7.1979, 0.3143, 0.3076



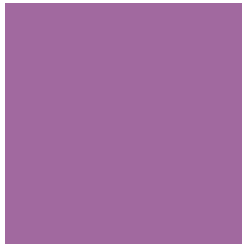
7.9523, 0.3297, 0.1590



0.1683, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 20.1834, 0.3190, 0.2476 looks on a white background.

Color Contrast Check

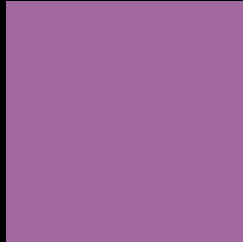
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1834, 0.3190, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

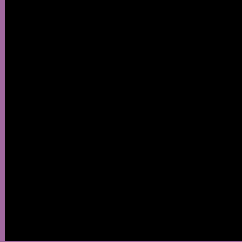
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1834, 0.3190, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 20.1834, 0.3190, 0.2476.



This preview shows how white text looks on a background with the Yxy color 20.1834, 0.3190, 0.2476.

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

20.1834, 0.3190, 0.2476

Protanopia

20.4595, 0.2516, 0.2456

Deuteranopia

20.3124, 0.2750, 0.2698



Tritanopia

20.2587, 0.3598, 0.3160

Trichromacy



Original Color

20.1834, 0.3190, 0.2476

Protanomaly

19.9479, 0.2734, 0.2449

Deuteranomaly

20.0760, 0.2899, 0.2607

Tritanomaly

20.1702, 0.3447, 0.2891

Monochromacy



Original Color

20.1834, 0.3190, 0.2476

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8725, 0.3155, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1834, 0.3190, 0.2476 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, 105, 159)` looks like.

```
.text, #text, p{  
    color:rgb(161, 105, 159)  
}
```

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, 105, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 105, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.1834, 0.3190, 0.2476 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, 105, 159) }
```

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

```
.border{ border-color:rgb(161, 105, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 105, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 105, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 105, 159);  
box-shadow:4px 4px 4px 4px rgb(161, 105,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1834, 0.3190, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 105, 159) }
```

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

```
.background{ background-color: rgb(161,  
105, 159) }
```

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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