

Converting Colors

$Y_{xy}(20.5345, 0.3507, 0.2636)$

Have a look what the booklet for
Yxy(20.5345, 0.3507, 0.2636)
contains.

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Color

Yxy(20.4936, 0.3500, 0.2632)

Conversions

Conversions Part 1

Format	Color
Hex	AD6693
RGB	173, 102, 147
RGB Percent	68%, 40%, 58%
CMY	0.3215, 0.6000, 0.4236
CMYK	0.00, 0.41, 0.15, 0.32
HSL	322°, 30%, 54%
HSV	322°, 41%, 68%
XYZ	27.2521, 20.4936, 30.1175
YIQ	128.3590, 27.8710, 29.0470

Conversions

Conversions Part 2

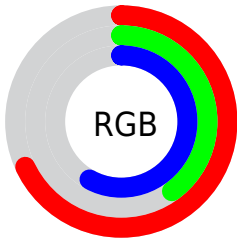
Format	Color
R _Y B	173, 102, 147
Decimal	11363987
CIE Lab	52.39, 34.92, -12.40
CIE LCh	52, 37.051, 340.453
Yxy	20.4936, 0.3500, 0.2632
Android (android.graphics.Color)	4289554067 (0xFFAD6693)
YUV	128.3590, 9.1900, 39.1502
Hunter-Lab	45.2699, 28.2335, -7.7560

Details

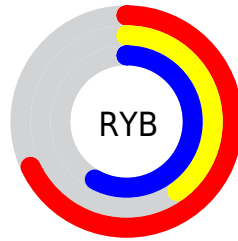
The Yxy color $20.4936, 0.3500, 0.2632$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.2750, 0.2883, 0.4063$, and the grayscale version is $21.6782, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1512, 0.3425, 0.2763$, and $7.2224, 0.3643, 0.2403$ is the 20% darker color. If you saturate the color by 10%, you get $17.2479, 0.3629, 0.2480$, and if you desaturate by 10%, it is $24.4618, 0.3386, 0.2794$.

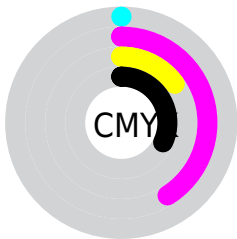
Distribution



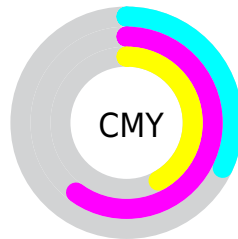
- Red (68%)
- Green (40%)
- Blue (58%)



- Red (68%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (41%)
- Yellow (15%)
- Black (32%)



- Cyan (32%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4936, 0.3500, 0.2632 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 20.4936, 0.3500, 0.2632 by changing the saturation by 10% instead.


 20.4936, 0.3500,
0.2632


 20.4936, 0.3500,
0.2632


254.5749, 0.3297,
0.2987


 12.7544, 0.3557,
0.2534


 44.2432, 0.3422,
0.2768


 7.2596, 0.3633,
0.2403


 61.0224, 0.3394,
0.2817

 3.6250, 0.3743,
0.2217

 81.5836, 0.3371,
0.2857

 1.4661, 0.3910,
0.1937

 106.3113, 0.3352,
0.2891

 0.2647, 0.4415,
0.1032

135.5899, 0.3335,
0.2920

 0.0000, 1.0000,
0.0000

169.8038, 0.3321,

 0.0000, 0.0000,

0.2946

0.0000

209.3373, 0.3308,
0.2968

■ 20.4936, 0.3500,
0.2632

■ 20.4936, 0.3500,
0.2632

■ 17.2479, 0.3629,
0.2480

■ 24.4618, 0.3386,
0.2794

■ 14.6771, 0.3773,
0.2347

■ 29.1906, 0.3288,
0.2959

■ 12.7326, 0.3928,
0.2246


■ 34.7185, 0.3204,
0.3120

■ 11.3577, 0.4090,
0.2185

■ 41.0808, 0.3134,
0.3274


■ 10.4856, 0.4253,
0.2173

■ 48.3106, 0.3075,
0.3420

 10.0026, 0.4397,
0.2196

 56.4393, 0.3025,
0.3555

 65.4965, 0.2984,
0.3681

 75.5107, 0.2950,
0.3796

 84.7674, 0.2920,
0.3874

Harmonies

Analogous

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



20.4936, 0.2814, 0.2340



20.4936, 0.3500, 0.2632



20.4936, 0.4134, 0.3066

Triad

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



20.4936, 0.3500, 0.2632



20.4936, 0.3949, 0.4452



20.4936, 0.1951, 0.2776

Complementary

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



20.4936, 0.3500, 0.2632



34.2750, 0.2883, 0.4063

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.



20.4936, 0.2187, 0.3418



20.4936, 0.3500, 0.2632



20.4936, 0.3323, 0.4513

Square

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



20.4936, 0.3500, 0.2632



20.4936, 0.4380, 0.4073



20.4936, 0.2678, 0.4113



20.4936, 0.1986, 0.2377

Rectangle

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



20.4936, 0.3500, 0.2632



20.4936, 0.4400, 0.3400



20.4936, 0.2678, 0.4113



20.4936, 0.1999, 0.2967

Sweetspot

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



20.4946, 0.3500, 0.2632



60.9407, 0.3214, 0.3101



17.0214, 0.2636, 0.2134



12.9635, 0.3223, 0.3082



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.4946, 0.3500, 0.2632



31.5114, 0.3613, 0.2497



19.5728, 0.3991, 0.3131



8.0975, 0.3191, 0.3147



7.3587, 0.4381, 0.2187



0.2148, 0.3944, 0.1946

Inverse Universe

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



20.4946, 0.3500, 0.2632



31.5114, 0.3613, 0.2497



35.3373, 0.2643, 0.3462



8.0975, 0.3191, 0.3147



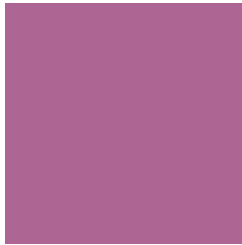
7.3587, 0.4381, 0.2187



0.2148, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 20.4936, 0.3500, 0.2632 looks on a white background.

Color Contrast Check

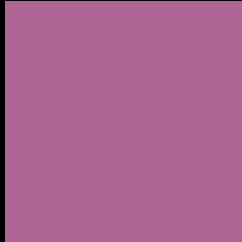
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4936, 0.3500, 0.2632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

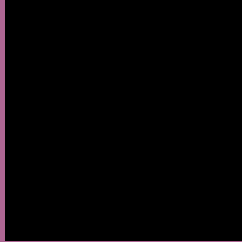
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4936, 0.3500, 0.2632

Background



This preview shows how black text looks on a background with the Yxy color 20.4936, 0.3500, 0.2632.



This preview shows how white text looks on a background with the Yxy color 20.4936, 0.3500, 0.2632.

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

20.4936, 0.3500, 0.2632

Protanopia

20.6688, 0.2648, 0.2631

Deuteranopia

20.5694, 0.2979, 0.2922



Tritanopia

20.5321, 0.3873, 0.3169

Trichromacy



Original Color

20.4936, 0.3500, 0.2632

Protanomaly

20.1593, 0.2911, 0.2610

Deuteranomaly

20.2948, 0.3162, 0.2810

Tritanomaly

20.4983, 0.3739, 0.2973

Monochromacy



Original Color

20.4936, 0.3500, 0.2632

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8722, 0.3252, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4936, 0.3500, 0.2632 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(173, 102, 147)` looks like.

```
.text, #text, p{  
    color:rgb(173, 102, 147)  
}
```

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(173, 102, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 102, 147) }
```

Border

The CSS property to change the border of an element to Yxy 20.4936, 0.3500, 0.2632 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(173, 102, 147) }
```

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

```
.border{ border-color:rgb(173, 102, 147) }
```

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

Here you see how a box with a 4 pixel rgb(173, 102, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 102, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 102, 147);  
box-shadow:4px 4px 4px 4px rgb(173, 102,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4936, 0.3500, 0.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 102, 147) }
```

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

```
.background{ background-color: rgb(173,  
102, 147) }
```

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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