

Converting Colors

$Y_{xy}(17.6210, 0.3437, 0.2488)$

Have a look what the booklet for
Yxy(17.6210, 0.3437, 0.2488)
contains.

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Color

Yxy(17.6980, 0.3441, 0.2490)

Conversions

Conversions Part 1

Format	Color
Hex	A55C91
RGB	165, 92, 145
RGB Percent	65%, 36%, 57%
CMY	0.3529, 0.6392, 0.4313
CMYK	0.00, 0.44, 0.12, 0.35
HSL	316°, 29%, 50%
HSV	316°, 44%, 65%
XYZ	24.4574, 17.6980, 28.9209
YIQ	119.8690, 26.4950, 31.9590

Conversions

Conversions Part 2

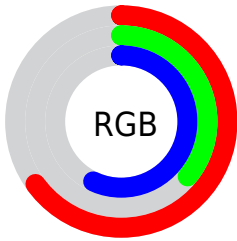
Format	Color
R_{YB}	165, 92, 145
Decimal	10837137
CIE _{Lab}	49.13, 37.30, -16.27
CIE _{LCh}	49, 40.697, 336.430
Yxy	17.6980, 0.3441, 0.2490
Android (android.graphics.Color)	4289027217 (0xFFA55C91)
YUV	119.8690, 12.3896, 39.5799
Hunter-Lab	42.0690, 30.1526, -11.3115

Details

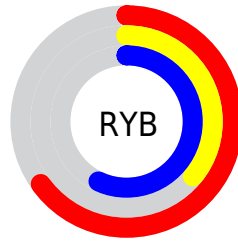
The Yxy color **17.6980, 0.3441, 0.2490** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.3586, 0.2919, 0.4261**, and the grayscale version is **18.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4422, 0.3373, 0.2655**, and **5.8436, 0.3553, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **15.0081, 0.3539, 0.2325**, and if you desaturate by 10%, it is **21.0177, 0.3353, 0.2669**.

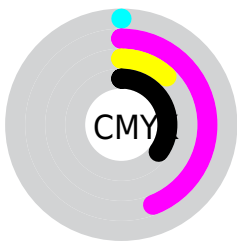
Distribution



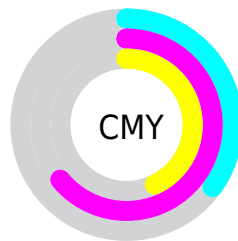
- Red (65%)
- Green (36%)
- Blue (57%)



- Red (65%)
- Yellow (36%)
- Blue (57%)



- Cyan (0%)
- Magenta (44%)
- Yellow (12%)
- Black (35%)




- Cyan (35%)
- Magenta (64%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6980, 0.3441, 0.2490 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 17.6980, 0.3441, 0.2490 by changing the saturation by 10% instead.


 17.6980, 0.3441,
0.2490


 17.6980, 0.3441,
0.2490

239.1633, 0.3272,
0.2925


 10.7334, 0.3487,
0.2369


 39.5220, 0.3377,
0.2657


 5.8879, 0.3549,
0.2206


 55.1503, 0.3353,
0.2717

 2.7770, 0.3634,
0.1975

 74.4352, 0.3334,
0.2767

 1.0165, 0.3759,
0.1628

 97.7611, 0.3318,
0.2809

 0.0000, 0.4419,
0.0000

125.5125, 0.3304,
0.2844

 0.0000, 0.0000,
0.0000

158.0737, 0.3292,

0.2875

195.8292, 0.3281,
0.2902

■ 17.6980, 0.3441,
0.2490

■ 17.6980, 0.3441,
0.2490

■ 15.0081, 0.3539,
0.2325

■ 21.0177, 0.3353,
0.2669

■ 12.9047, 0.3644,
0.2185

■ 25.0020, 0.3275,
0.2854

■ 11.3427, 0.3755,
0.2078

■ 29.6860, 0.3207,
0.3038

■ 10.2696, 0.3867,
0.2014

■ 35.1017, 0.3149,
0.3217

■ 9.6220, 0.3977,
0.1997

■ 41.2791, 0.3100,
0.3386

■ 9.3521, 0.4041,
0.1999

■ 48.2464, 0.3058,
0.3546

■ 56.0304, 0.3023,
0.3694

■ 64.6569, 0.2993,
0.3830

■ 74.1501, 0.2969,
0.3955

Harmonies

Analogous

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



17.6980, 0.2668, 0.2191



17.6980, 0.3441, 0.2490



17.6980, 0.4205, 0.2954

Triad

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



17.6980, 0.3441, 0.2490



17.6980, 0.4132, 0.4566



17.6980, 0.1815, 0.2771

Complementary

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



17.6980, 0.3441, 0.2490



30.3586, 0.2919, 0.4261

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.



17.6980, 0.2111, 0.3542



17.6980, 0.3441, 0.2490



17.6980, 0.3434, 0.4734

Square

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



17.6980, 0.3441, 0.2490



17.6980, 0.4594, 0.4082



17.6980, 0.2694, 0.4347



17.6980, 0.1819, 0.2289

Rectangle

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



17.6980, 0.3441, 0.2490



17.6980, 0.4549, 0.3319



17.6980, 0.2694, 0.4347



17.6980, 0.1880, 0.3002

Sweetspot

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



17.6988, 0.3441, 0.2490



54.0776, 0.3201, 0.3057



13.7805, 0.2521, 0.2016



11.4057, 0.3214, 0.3018



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.



17.6988, 0.3441, 0.2490



26.9940, 0.3536, 0.2330



16.7589, 0.3990, 0.3024



7.1689, 0.3177, 0.3128



7.0828, 0.4030, 0.1994



0.1561, 0.3676, 0.1799

Inverse Universe

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



17.6988, 0.3441, 0.2490



26.9940, 0.3536, 0.2330



31.3262, 0.2657, 0.3586



7.1689, 0.3177, 0.3128



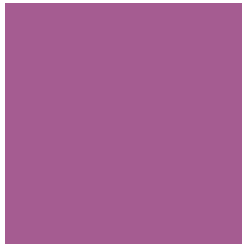
7.0828, 0.4030, 0.1994



0.1561, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 17.6980, 0.3441, 0.2490 looks on a white 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

Black Background



This preview shows how the Yxy color 17.6980, 0.3441, 0.2490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

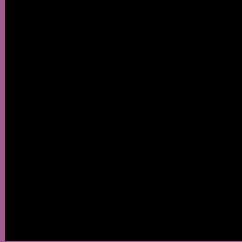
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6980, 0.3441, 0.2490

Background



This preview shows how black text looks on a background with the Yxy color 17.6980, 0.3441, 0.2490.



This preview shows how white text looks on a background with the Yxy color 17.6980, 0.3441, 0.2490.

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

17.6980, 0.3441, 0.2490

Protanopia

17.9830, 0.2514, 0.2462

Deuteranopia

17.9665, 0.2858, 0.2810



Tritanopia

17.7529, 0.3923, 0.3179

Trichromacy



Original Color

17.6980, 0.3441, 0.2490

Protanomaly

17.3513, 0.2799, 0.2445

Deuteranomaly

17.5367, 0.3052, 0.2680

Tritanomaly

17.6112, 0.3738, 0.2909

Monochromacy



Original Color

17.6980, 0.3441, 0.2490

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9711, 0.3235, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6980, 0.3441, 0.2490 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(165, 92, 145)` looks like.

```
.text, #text, p{  
    color:rgb(165, 92, 145)  
}
```

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(165, 92, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 92, 145) }
```

Border

The CSS property to change the border of an element to Yxy 17.6980, 0.3441, 0.2490 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(165, 92, 145) }
```

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

```
.border{ border-color:rgb(165, 92, 145) }
```

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

Here you see how a box with a 4 pixel rgb(165, 92, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 92, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 92, 145);  
box-shadow:4px 4px 4px 4px rgb(165, 92,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6980, 0.3441, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 92, 145) }
```

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

```
.background{ background-color: rgb(165, 92,  
145) }
```

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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