

Converting Colors

$Y_{xy}(21.6115, 0.33380, 0.2441)$

Have a look what the booklet for
Yxy(21.6115, 0.3380, 0.2441)
contains.

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Color

Yxy(21.4997, 0.3381, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	B365A2
RGB	179, 101, 162
RGB Percent	70%, 40%, 64%
CMY	0.2981, 0.6039, 0.3646
CMYK	0.00, 0.44, 0.09, 0.30
HSL	313°, 34%, 55%
HSV	313°, 44%, 70%
XYZ	29.7668, 21.4997, 36.7749
YIQ	131.2760, 26.9070, 35.5070

Conversions

Conversions Part 2

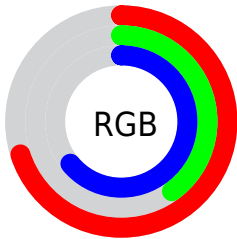
Format	Color
R_{YB}	179, 101, 162
Decimal	11756962
CIE _{Lab}	53.49, 40.01, -19.47
CIE _{LCh}	53, 44.498, 334.056
Yxy	21.4997, 0.3381, 0.2442
Android (android.graphics.Color)	4289947042 (0xFFB365A2)
YUV	131.2760, 15.1469, 41.8539
Hunter-Lab	46.3678, 33.4483, -14.5662

Details

The Yxy color **21.4997, 0.3381, 0.2442** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.3133, 0.2950, 0.4328**, and the grayscale version is **22.7391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9538, 0.3333, 0.2610**, and **7.6921, 0.3451, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **18.2587, 0.3459, 0.2266**, and if you desaturate by 10%, it is **25.5039, 0.3310, 0.2634**.

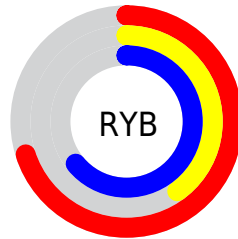
Distribution



Red (70%)

Green (40%)

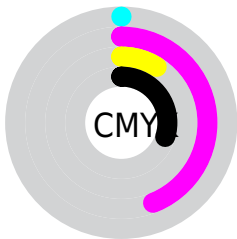
Blue (64%)



Red (70%)

Yellow (40%)

Blue (64%)

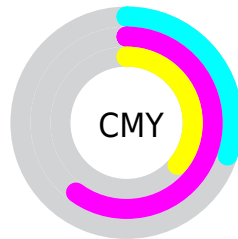


Cyan (0%)

Magenta (44%)

Yellow (9%)

Black (30%)



Cyan (30%)


Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4997, 0.3381, 0.2442 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 21.4997, 0.3381, 0.2442 by changing the saturation by 10% instead.


 21.4997, 0.3381,
0.2442


 21.4997, 0.3381,
0.2442


259.9223, 0.3252,
0.2888


 13.4898, 0.3413,
0.2324


 45.9177, 0.3334,
0.2609

 7.7667, 0.3454,
0.2170


 63.0946, 0.3316,
0.2670

 3.9460, 0.3507,
0.1959


 84.0958, 0.3302,
0.2721

 1.6434, 0.3577,
0.1656

 109.3059, 0.3289,
0.2765

 0.3866, 0.3747,
0.0998

139.1092, 0.3278,
0.2802

 0.0000, 0.3362,
0.0000

173.8901, 0.3268,

 0.0000, 0.0000,

0.2834

0.0000

214.0330, 0.3260,
0.2863

■ 21.4997, 0.3381,
0.2442

■ 21.4997, 0.3381,
0.2442

■ 18.2587, 0.3459,
0.2266

■ 25.5039, 0.3310,
0.2634

■ 15.7282, 0.3541,
0.2114

■ 30.3136, 0.3247,
0.2833

■ 13.8537, 0.3627,
0.1998


■ 35.9715, 0.3191,
0.3031


■ 12.5712, 0.3712,
0.1923


■ 42.5163, 0.3143,
0.3223


■ 11.8040, 0.3795,
0.1895


■ 49.9844, 0.3101,
0.3407

 11.4782, 0.3848,
0.1893

 58.4102, 0.3066,
0.3579

 67.8262, 0.3036,
0.3739

 78.2636, 0.3012,
0.3886

 85.1383, 0.2990,
0.3951

Harmonies

Analogous

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



21.4997, 0.2602, 0.2154



21.4997, 0.3381, 0.2442



21.4997, 0.4177, 0.2904

Triad

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



21.4997, 0.3381, 0.2442



21.4997, 0.4200, 0.4561



21.4997, 0.1800, 0.2809

Complementary

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



21.4997, 0.3381, 0.2442



36.3133, 0.2950, 0.4328

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.



21.4997, 0.2125, 0.3617



21.4997, 0.3381, 0.2442



21.4997, 0.3498, 0.4776

Square

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



21.4997, 0.3381, 0.2442



21.4997, 0.4649, 0.4049



21.4997, 0.2738, 0.4429



21.4997, 0.1781, 0.2293

Rectangle

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



21.4997, 0.3381, 0.2442



21.4997, 0.4553, 0.3271



21.4997, 0.2738, 0.4429



21.4997, 0.1874, 0.3053

Sweetspot

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



21.5007, 0.3381, 0.2442



64.8134, 0.3189, 0.3038



16.4070, 0.2487, 0.2016



13.8351, 0.3201, 0.2995



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.5007, 0.3381, 0.2442



33.0632, 0.3453, 0.2277



20.3237, 0.3920, 0.2970



8.6144, 0.3170, 0.3114



8.1213, 0.3839, 0.1888



0.2634, 0.3632, 0.1774

Inverse Universe

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



21.5007, 0.3381, 0.2442



33.0632, 0.3453, 0.2277



37.4367, 0.2686, 0.3648



8.6144, 0.3170, 0.3114



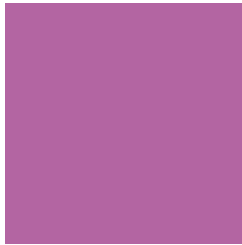
8.1213, 0.3839, 0.1888



0.2634, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 21.4997, 0.3381, 0.2442 looks on a white background.

Color Contrast Check

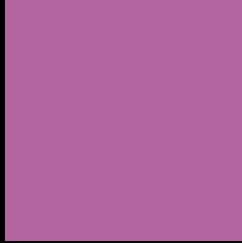
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4997, 0.3381, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

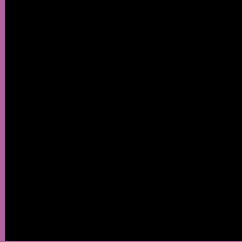
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4997, 0.3381, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 21.4997, 0.3381, 0.2442.



This preview shows how white text looks on a background with the Yxy color 21.4997, 0.3381, 0.2442.

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

21.4997, 0.3381, 0.2442

Protanopia

21.6374, 0.2465, 0.2385

Deuteranopia

21.8260, 0.2799, 0.2747



Tritanopia

21.4585, 0.3888, 0.3172

Trichromacy



Original Color

21.4997, 0.3381, 0.2442

Protanomaly

21.0128, 0.2745, 0.2388

Deuteranomaly

21.2455, 0.2994, 0.2618

Tritanomaly

21.4667, 0.3702, 0.2894

Monochromacy



Original Color

21.4997, 0.3381, 0.2442

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6818, 0.3217, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4997, 0.3381, 0.2442 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(179, 101, 162)` looks like.

```
.text, #text, p{  
    color:rgb(179, 101, 162)  
}
```

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(179, 101, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 101, 162) }
```

Border

The CSS property to change the border of an element to Yxy 21.4997, 0.3381, 0.2442 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(179, 101, 162) }
```

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

```
.border{ border-color:rgb(179, 101, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 101, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 101, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 101, 162);  
box-shadow:4px 4px 4px 4px rgb(179, 101,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4997, 0.3381, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 101, 162) }
```

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

```
.background{ background-color: rgb(179,  
101, 162) }
```

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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