

Converting Colors

$Y_{xy}(22.3999, 0.3319, 0.2479)$

Have a look what the booklet for
Yxy(22.3999, 0.3319, 0.2479)
contains.

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Color

Yxy(22.3355, 0.3325, 0.2477)

Conversions

Conversions Part 1

Format	Color
Hex	B16AA4
RGB	177, 106, 164
RGB Percent	69%, 42%, 64%
CMY	0.3060, 0.5842, 0.3569
CMYK	0.00, 0.40, 0.07, 0.31
HSL	311°, 31%, 55%
HSV	311°, 40%, 69%
XYZ	29.9820, 22.3355, 37.8540
YIQ	133.8410, 23.6980, 33.0900

Conversions

Conversions Part 2

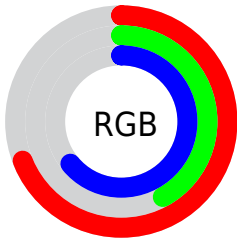
Format	Color
R _{YB}	177, 106, 164
Decimal	11627172
CIE Lab	54.38, 37.00, -19.28
CIE LCh	54, 41.721, 332.470
Yxy	22.3355, 0.3325, 0.2477
Android (android.graphics.Color)	4289817252 (0xFFB16AA4)
YUV	133.8410, 14.8684, 37.8504
Hunter-Lab	47.2604, 30.5347, -14.4070

Details

The Yxy color **22.3355, 0.3325, 0.2477** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.8312, 0.2980, 0.4272**, and the grayscale version is **23.7177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4032, 0.3292, 0.2640**, and **8.2092, 0.3383, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **18.9415, 0.3389, 0.2288**, and if you desaturate by 10%, it is **26.4873, 0.3266, 0.2679**.

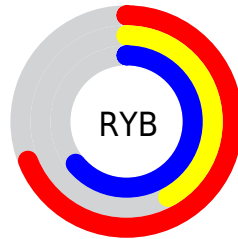
Distribution



Red (69%)

Green (42%)

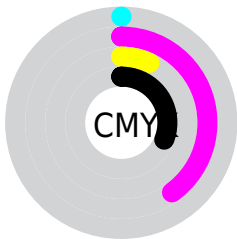
Blue (64%)



Red (69%)

Yellow (42%)

Blue (64%)

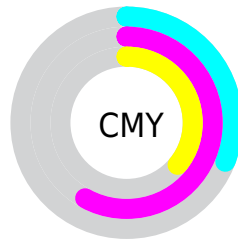


Cyan (0%)

Magenta (40%)

Yellow (7%)

Black (31%)



Cyan (31%)


Magenta (58%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3355, 0.3325, 0.2477 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 22.3355, 0.3325, 0.2477 by changing the saturation by 10% instead.


 22.3355, 0.3325,
0.2477


 22.3355, 0.3325,
0.2477


264.2934, 0.3227,
0.2903


 14.1036, 0.3349,
0.2365


 47.2999, 0.3290,
0.2636


 8.1928, 0.3378,
0.2217


 64.8012, 0.3276,
0.2695

 4.2185, 0.3415,
0.2015


 86.1611, 0.3265,
0.2744

 1.7966, 0.3461,
0.1726

 111.7640, 0.3255,
0.2786

 0.4850, 0.3558,
0.1166

141.9943, 0.3247,
0.2821

 0.0000, 0.3174,
0.0000

177.2363, 0.3239,

 0.0000, 0.0000,

0.2852

0.0000

217.8746, 0.3233,
0.2879

■ 22.3355, 0.3325,
0.2477

■ 22.3355, 0.3325,
0.2477

■ 18.9415, 0.3389,
0.2288

■ 26.4873, 0.3266,
0.2679

■ 16.2555, 0.3457,
0.2122

■ 31.4364, 0.3214,
0.2886

■ 14.2266, 0.3527,
0.1987


■ 37.2233, 0.3168,
0.3090


■ 12.7961, 0.3598,
0.1893

■ 43.8850, 0.3128,
0.3288


■ 11.8943, 0.3666,
0.1843


■ 51.4560, 0.3093,
0.3476

 11.3768, 0.3732,
0.1829

 59.9691, 0.3063,
0.3652

 69.4556, 0.3038,
0.3814

 79.9450, 0.3017,
0.3964

 84.7198, 0.3000,
0.4001

Harmonies

Analogous

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



22.3355, 0.2607, 0.2215



22.3355, 0.3325, 0.2477



22.3355, 0.4066, 0.2907

Triad

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



22.3355, 0.3325, 0.2477



22.3355, 0.4165, 0.4461



22.3355, 0.1894, 0.2885

Complementary

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



22.3355, 0.3325, 0.2477



35.8312, 0.2980, 0.4272

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.



22.3355, 0.2220, 0.3639



22.3355, 0.3325, 0.2477



22.3355, 0.3521, 0.4663

Square

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



22.3355, 0.3325, 0.2477



22.3355, 0.4557, 0.3985



22.3355, 0.2808, 0.4364



22.3355, 0.1858, 0.2381

Rectangle

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



22.3355, 0.3325, 0.2477



22.3355, 0.4426, 0.3253



22.3355, 0.2808, 0.4364



22.3355, 0.1970, 0.3116

Sweetspot

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



22.3365, 0.3325, 0.2477



64.3698, 0.3177, 0.3048



17.3259, 0.2514, 0.2120



13.6577, 0.3183, 0.3022



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.3365, 0.3325, 0.2477



34.6365, 0.3380, 0.2311



21.2589, 0.3779, 0.2944



8.6195, 0.3164, 0.3106



8.2537, 0.3725, 0.1826



0.2666, 0.3558, 0.1734

Inverse Universe

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



22.3365, 0.3325, 0.2477



34.6365, 0.3380, 0.2311



36.8102, 0.2739, 0.3674



8.6195, 0.3164, 0.3106



8.2537, 0.3725, 0.1826



0.2666, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 22.3355, 0.3325, 0.2477 looks on a white background.

Color Contrast Check

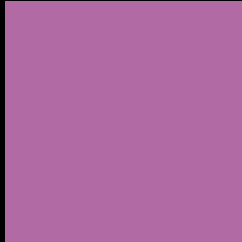
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3355, 0.3325, 0.2477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

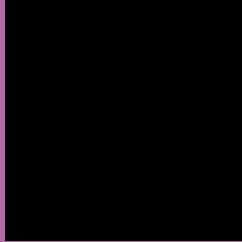
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3355, 0.3325, 0.2477

Background



This preview shows how black text looks on a background with the Yxy color 22.3355, 0.3325, 0.2477.



This preview shows how white text looks on a background with the Yxy color 22.3355, 0.3325, 0.2477.

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

22.3355, 0.3325, 0.2477

Protanopia

22.6815, 0.2506, 0.2444

Deuteranopia

22.5656, 0.2803, 0.2754



Tritanopia

22.2353, 0.3775, 0.3155

Trichromacy



Original Color

22.3355, 0.3325, 0.2477

Protanomaly

22.1732, 0.2761, 0.2443

Deuteranomaly

22.1171, 0.2984, 0.2640

Tritanomaly

22.2025, 0.3610, 0.2891

Monochromacy



Original Color

22.3355, 0.3325, 0.2477

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.9437, 0.3202, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3355, 0.3325, 0.2477 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(177, 106, 164)` looks like.

```
.text, #text, p{  
    color:rgb(177, 106, 164)  
}
```

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(177, 106, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 106, 164) }
```

Border

The CSS property to change the border of an element to Yxy 22.3355, 0.3325, 0.2477 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(177, 106, 164) }
```

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

```
.border{ border-color:rgb(177, 106, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 106, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 106, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 106, 164);  
box-shadow:4px 4px 4px 4px rgb(177, 106,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3355, 0.3325, 0.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 106, 164) }
```

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

```
.background{ background-color: rgb(177,  
106, 164) }
```

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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