

Converting Colors

$Y_{xy}(22.1747, 0.3385, 0.2451)$

Have a look what the booklet for
Yxy(22.1747, 0.3385, 0.2451)
contains.

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Color

Yxy(22.2046, 0.3378, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	B567A4
RGB	181, 103, 164
RGB Percent	71%, 40%, 64%
CMY	0.2903, 0.5960, 0.3569
CMYK	0.00, 0.43, 0.09, 0.29
HSL	313°, 34%, 56%
HSV	313°, 43%, 71%
XYZ	30.6027, 22.2046, 37.7868
YIQ	133.2760, 26.9070, 35.5070

Conversions

Conversions Part 2

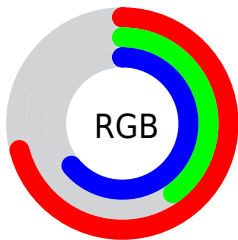
Format	Color
R _Y B	181, 103, 164
Decimal	11888548
CIE Lab	54.24, 39.92, -19.44
CIE LCh	54, 44.404, 334.039
Yxy	22.2046, 0.3378, 0.2451
Android (android.graphics.Color)	4290078628 (0xFFB567A4)
YUV	133.2760, 15.1469, 41.8539
Hunter-Lab	47.1218, 33.4616, -14.5592

Details

The Yxy color **22.2046, 0.3378, 0.2451** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.2817, 0.2952, 0.4314**, and the grayscale version is **23.4987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0685, 0.3331, 0.2616**, and **8.0615, 0.3445, 0.2177** is the 20% darker color. If you saturate the color by 10%, you get **18.8455, 0.3455, 0.2274**, and if you desaturate by 10%, it is **26.3494, 0.3307, 0.2644**.

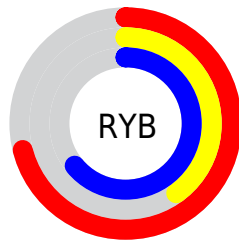
Distribution



Red (71%)

Green (40%)

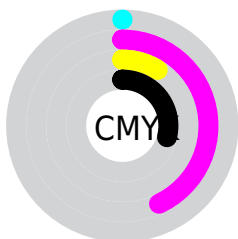
Blue (64%)



Red (71%)

Yellow (40%)

Blue (64%)

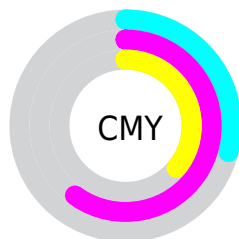


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2046, 0.3378, 0.2451 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 22.2046, 0.3378, 0.2451 by changing the saturation by 10% instead.


 22.2046, 0.3378,
0.2451


 22.2046, 0.3378,
0.2451


263.6129, 0.3251,
0.2890


 14.0073, 0.3409,
0.2336

 47.0839, 0.3332,
0.2615

 8.1258, 0.3449,
0.2185


 64.5348, 0.3315,
0.2675

 4.1755, 0.3501,
0.1979


 85.8389, 0.3300,
0.2726

 1.7722, 0.3569,
0.1685

 111.3807, 0.3287,
0.2768

 0.4698, 0.3708,
0.1114

141.5446, 0.3277,
0.2805

 0.0000, 0.3568,
0.0000

176.7150, 0.3267,

 0.0000, 0.0000,

0.2837

0.0000

217.2763, 0.3259,
0.2865

■ 22.2046, 0.3378,
0.2451

■ 22.2046, 0.3378,
0.2451

■ 18.8455, 0.3455,
0.2274

■ 26.3494, 0.3307,
0.2644

■ 16.2182, 0.3538,
0.2121

■ 31.3231, 0.3244,
0.2842

■ 14.2670, 0.3624,
0.2002


■ 37.1694, 0.3189,
0.3040

■ 12.9266, 0.3710,
0.1926

■ 43.9280, 0.3141,
0.3233


■ 12.1189, 0.3793,
0.1896

■ 51.6362, 0.3099,
0.3416

 11.7603, 0.3850,
0.1895

 60.3292, 0.3064,
0.3587

 70.0404, 0.3035,
0.3747

 80.8016, 0.3010,
0.3893

 85.4883, 0.2989,
0.3920

Harmonies

Analogous

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



22.2046, 0.2608, 0.2166



22.2046, 0.3378, 0.2451



22.2046, 0.4164, 0.2908

Triad

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



22.2046, 0.3378, 0.2451



22.2046, 0.4189, 0.4547



22.2046, 0.1815, 0.2816

Complementary

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



22.2046, 0.3378, 0.2451



37.2817, 0.2952, 0.4314

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.



22.2046, 0.2137, 0.3614



22.2046, 0.3378, 0.2451



22.2046, 0.3496, 0.4756

Square

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



22.2046, 0.3378, 0.2451



22.2046, 0.4631, 0.4043



22.2046, 0.2744, 0.4413



22.2046, 0.1795, 0.2305

Rectangle

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



22.2046, 0.3378, 0.2451



22.2046, 0.4535, 0.3272



22.2046, 0.2744, 0.4413



22.2046, 0.1888, 0.3058

Sweetspot

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



22.2056, 0.3378, 0.2451



66.4271, 0.3189, 0.3038



17.0265, 0.2496, 0.2031



13.8349, 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.



22.2056, 0.3378, 0.2451



33.8713, 0.3454, 0.2277



21.0093, 0.3908, 0.2973



8.6144, 0.3170, 0.3114



8.1197, 0.3840, 0.1889



0.2634, 0.3633, 0.1775

Inverse Universe

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



22.2056, 0.3378, 0.2451



33.8713, 0.3454, 0.2277



38.4247, 0.2690, 0.3643



8.6144, 0.3170, 0.3114



8.1197, 0.3840, 0.1889



0.2634, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 22.2046, 0.3378, 0.2451 looks on a white background.

Color Contrast Check

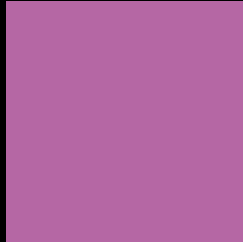
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2046, 0.3378, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

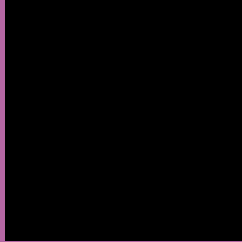
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2046, 0.3378, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 22.2046, 0.3378, 0.2451.



This preview shows how white text looks on a background with the Yxy color 22.2046, 0.3378, 0.2451.

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

22.2046, 0.3378, 0.2451

Protanopia

22.3680, 0.2472, 0.2396

Deuteranopia

22.3060, 0.2802, 0.2737



Tritanopia

22.1989, 0.3862, 0.3158

Trichromacy



Original Color

22.2046, 0.3378, 0.2451

Protanomaly

21.7315, 0.2750, 0.2399

Deuteranomaly

21.7331, 0.2995, 0.2610

Tritanomaly

22.2084, 0.3680, 0.2884

Monochromacy



Original Color

22.2046, 0.3378, 0.2451

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.4167, 0.3216, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2046, 0.3378, 0.2451 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(181, 103, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 103, 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(181, 103, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 103, 164) }
```

Border

The CSS property to change the border of an element to Yxy 22.2046, 0.3378, 0.2451 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(181, 103, 164) }
```

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

```
.border{ border-color:rgb(181, 103, 164) }
```

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

Here you see how a box with a 4 pixel rgb(181, 103, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 103, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 103, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 103,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2046, 0.3378, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 103, 164) }
```

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

```
.background{ background-color: rgb(181,  
103, 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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