

Converting Colors

$Y_{xy}(22.0641, 0.3377, 0.2459)$

Have a look what the booklet for
Yxy(22.0641, 0.3377, 0.2459)
contains.

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Color

Yxy(22.0481, 0.3378, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	B467A3
RGB	180, 103, 163
RGB Percent	71%, 40%, 64%
CMY	0.2943, 0.5960, 0.3608
CMYK	0.00, 0.43, 0.09, 0.29
HSL	313°, 34%, 55%
HSV	313°, 43%, 71%
XYZ	30.2758, 22.0481, 37.3025
YIQ	132.8630, 26.6320, 34.9840

Conversions

Conversions Part 2

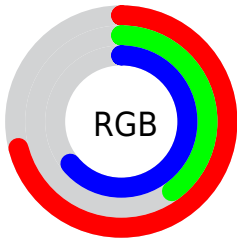
Format	Color
RYB	180, 103, 163
Decimal	11823011
CIELab	54.08, 39.41, -19.12
CIElCh	54, 43.805, 334.120
Yxy	22.0481, 0.3378, 0.2460
Android (android.graphics.Color)	4290013091 (0xFFB467A3)
YUV	132.8630, 14.8575, 41.3391
Hunter-Lab	46.9554, 32.9209, -14.2326

Details

The Yxy color **22.0481, 0.3378, 0.2460** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.8693, 0.2951, 0.4301**, and the grayscale version is **23.3422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8434, 0.3331, 0.2624**, and **7.9637, 0.3446, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **18.7048, 0.3456, 0.2282**, and if you desaturate by 10%, it is **26.1684, 0.3307, 0.2652**.

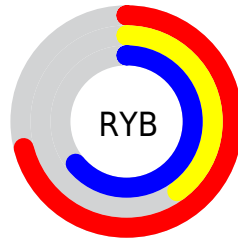
Distribution



Red (71%)

Green (40%)

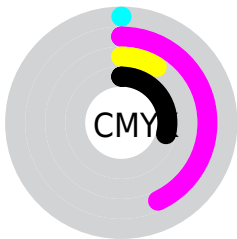
Blue (64%)



Red (71%)

Yellow (40%)

Blue (64%)

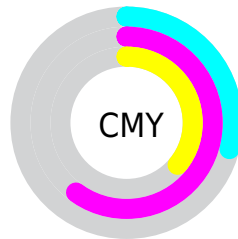


Cyan (0%)

Magenta (43%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (60%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0481, 0.3378, 0.2460 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 22.0481, 0.3378, 0.2460 by changing the saturation by 10% instead.


 22.0481, 0.3378,
0.2460


 22.0481, 0.3378,
0.2460


262.7974, 0.3251,
0.2895


 13.8922, 0.3410,
0.2345


 46.8255, 0.3332,
0.2623


 8.0458, 0.3450,
0.2195


 64.2158, 0.3314,
0.2682

 4.1242, 0.3503,
0.1989


 85.4531, 0.3300,
0.2732

 1.7433, 0.3572,
0.1695

 110.9217, 0.3287,
0.2775

 0.4515, 0.3721,
0.1106

141.0060, 0.3276,
0.2811

 0.0000, 0.3524,
0.0000

176.0905, 0.3267,

 0.0000, 0.0000,

0.2843

0.0000

216.5595, 0.3258,
0.2871

■ 22.0481, 0.3378,
0.2460

■ 22.0481, 0.3378,
0.2460

■ 18.7048, 0.3456,
0.2282

■ 26.1684, 0.3307,
0.2652

■ 16.0856, 0.3540,
0.2129

■ 31.1082, 0.3243,
0.2850

■ 14.1355, 0.3626,
0.2010

■ 36.9104, 0.3187,
0.3048

■ 12.7908, 0.3714,
0.1933

■ 43.6142, 0.3139,
0.3239

■ 11.9749, 0.3799,
0.1901

■ 51.2563, 0.3098,
0.3421

■ 11.5996, 0.3859,
0.1899

■ 59.8713, 0.3063,
0.3591

■ 69.4921, 0.3033,
0.3750

■ 80.1500, 0.3009,
0.3896

■ 85.3299, 0.2987,
0.3930

Harmonies

Analogous

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



22.0481, 0.2616, 0.2176



22.0481, 0.3378, 0.2460



22.0481, 0.4154, 0.2914

Triad

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



22.0481, 0.3378, 0.2460



22.0481, 0.4178, 0.4537



22.0481, 0.1827, 0.2821

Complementary

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



22.0481, 0.3378, 0.2460



36.8693, 0.2951, 0.4301

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.



22.0481, 0.2147, 0.3609



22.0481, 0.3378, 0.2460



22.0481, 0.3492, 0.4739

Square

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



22.0481, 0.3378, 0.2460



22.0481, 0.4615, 0.4039



22.0481, 0.2748, 0.4397



22.0481, 0.1808, 0.2314

Rectangle

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



22.0481, 0.3378, 0.2460



22.0481, 0.4520, 0.3275



22.0481, 0.2748, 0.4397



22.0481, 0.1899, 0.3059

Sweetspot

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



22.0491, 0.3378, 0.2460



66.4226, 0.3190, 0.3038



16.9718, 0.2502, 0.2042



13.8338, 0.3201, 0.2996



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.



22.0491, 0.3378, 0.2460



34.4088, 0.3449, 0.2297



20.8816, 0.3899, 0.2976



8.6140, 0.3170, 0.3114



8.1098, 0.3849, 0.1894



0.2631, 0.3639, 0.1778

Inverse Universe

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



22.0491, 0.3378, 0.2460



34.4088, 0.3449, 0.2297



37.9874, 0.2692, 0.3640



8.6140, 0.3170, 0.3114



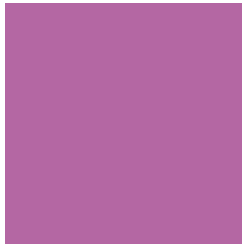
8.1098, 0.3849, 0.1894



0.2631, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 22.0481, 0.3378, 0.2460 looks on a white background.

Color Contrast Check

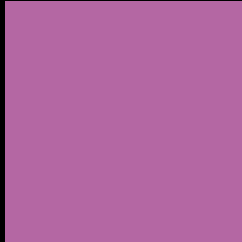
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0481, 0.3378, 0.2460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

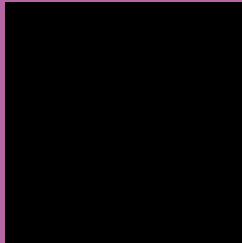
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0481, 0.3378, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 22.0481, 0.3378, 0.2460.



This preview shows how white text looks on a background with the Yxy color 22.0481, 0.3378, 0.2460.

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

22.0481, 0.3378, 0.2460

Protanopia

22.2852, 0.2487, 0.2423

Deuteranopia

22.2711, 0.2811, 0.2752



Tritanopia

22.0584, 0.3863, 0.3172

Trichromacy



Original Color

22.0481, 0.3378, 0.2460

Protanomaly

21.5680, 0.2758, 0.2422

Deuteranomaly

21.6980, 0.3006, 0.2624

Tritanomaly

22.0620, 0.3681, 0.2896

Monochromacy



Original Color

22.0481, 0.3378, 0.2460

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 22.0481, 0.3378, 0.2460 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(180, 103, 163)` looks like.

```
.text, #text, p{  
    color:rgb(180, 103, 163)  
}
```

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(180, 103, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 103, 163) }
```

Border

The CSS property to change the border of an element to Yxy 22.0481, 0.3378, 0.2460 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(180, 103, 163) }
```

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

```
.border{ border-color:rgb(180, 103, 163) }
```

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

Here you see how a box with a 4 pixel rgb(180, 103, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 103, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 103, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 103,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0481, 0.3378, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 103, 163) }
```

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

```
.background{ background-color: rgb(180,  
103, 163) }
```

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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