

Converting Colors

$Y_{xy}(16.2519, 0.2824, 0.2230)$

Have a look what the booklet for
Yxy(16.2519, 0.2824, 0.2230)
contains.

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Color

Yxy(16.2264, 0.2823, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	8661A2
RGB	134, 97, 162
RGB Percent	53%, 38%, 64%
CMY	0.4743, 0.6197, 0.3647
CMYK	0.17, 0.40, 0.00, 0.36
HSL	274°, 26%, 51%
HSV	274°, 40%, 64%
XYZ	20.6338, 16.2264, 36.2317
YIQ	115.4730, 1.1870, 28.0590

Conversions

Conversions Part 2

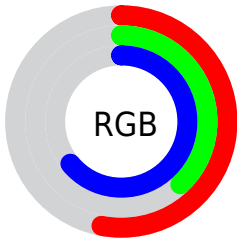
Format	Color
R_{YB}	134, 97, 162
Decimal	8806818
CIE _{Lab}	47.27, 27.79, -29.51
CIE _{LCh}	47, 40.531, 313.283
Yxy	16.2264, 0.2823, 0.2220
Android (android.graphics.Color)	4286996898 (0xFF8661A2)
YUV	115.4730, 22.9378, 16.2482
Hunter-Lab	40.2820, 20.9404, -25.1310

Details

The Yxy color **16.2264, 0.2823, 0.2220** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.0630, 0.3330, 0.4397**, and the grayscale version is **17.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8809, 0.2901, 0.2439**, and **5.1614, 0.2672, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **12.9794, 0.2721, 0.1939**, and if you desaturate by 10%, it is **20.1239, 0.2915, 0.2503**.

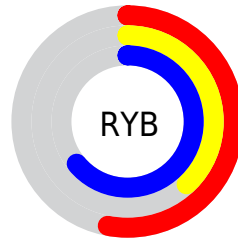
Distribution



Red (53%)

Green (38%)

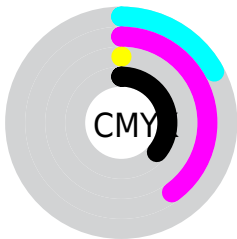
Blue (64%)



Red (53%)

Yellow (38%)

Blue (64%)

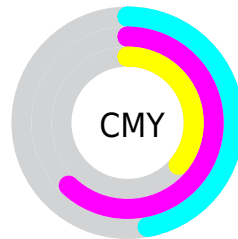


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (62%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2264, 0.2823, 0.2220 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 16.2264, 0.2823, 0.2220 by changing the saturation by 10% instead.


 16.2264, 0.2823,
0.2220


 16.2264, 0.2823,
0.2220


230.6740, 0.3012,
0.2800


 9.6845, 0.2761,
0.2062


 36.9908, 0.2902,
0.2441


 5.1903, 0.2670,
0.1852


 51.9821, 0.2928,
0.2521

 2.3593, 0.2527,
0.1563

 70.5586, 0.2949,
0.2588

 0.8048, 0.2284,
0.1150

 93.1048, 0.2966,
0.2644

 0.0000, 0.1666,
0.0000

120.0051, 0.2981,
0.2691

 0.0000, 0.0000,
0.0000

151.6437, 0.2993,

0.2733

188.4052, 0.3003,
0.2768

■ 16.2264, 0.2823,
0.2220

■ 16.2264, 0.2823,
0.2220

■ 12.9794, 0.2721,
0.1939

■ 20.1239, 0.2915,
0.2503

■ 10.3426, 0.2612,
0.1673

■ 24.7047, 0.2996,
0.2779

■ 8.2744, 0.2499,
0.1433

■ 30.0022, 0.3066,
0.3042

■ 6.7267, 0.2385,
0.1233

■ 36.0465, 0.3126,
0.3287

■ 5.6435, 0.2276,
0.1082

■ 42.8663, 0.3177,
0.3512

■ 4.9020, 0.2175,
0.0972

■ 50.4885, 0.3219,
0.3717

■ 58.9389, 0.3254,
0.3902

■ 68.2420, 0.3282,
0.4068

■ 78.4214, 0.3305,
0.4217

Harmonies

Analogous

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



16.2264, 0.2190, 0.2083



16.2264, 0.2823, 0.2220



16.2264, 0.3639, 0.2568

Triad

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



16.2264, 0.2823, 0.2220



16.2264, 0.4550, 0.4222



16.2264, 0.1991, 0.3348

Complementary

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



16.2264, 0.2823, 0.2220



31.0630, 0.3330, 0.4397

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.



16.2264, 0.2524, 0.4210



16.2264, 0.2823, 0.2220



16.2264, 0.4002, 0.4674

Square

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



16.2264, 0.2823, 0.2220



16.2264, 0.4714, 0.3644



16.2264, 0.3261, 0.4737



16.2264, 0.1762, 0.2614

Rectangle

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



16.2264, 0.2823, 0.2220



16.2264, 0.4160, 0.2890



16.2264, 0.3261, 0.4737



16.2264, 0.2137, 0.3641

Sweetspot

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



16.2271, 0.2823, 0.2220



52.3398, 0.3053, 0.2988



19.8573, 0.2484, 0.2623



11.4830, 0.3044, 0.2957



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.



16.2271, 0.2823, 0.2220



24.2210, 0.2734, 0.1973



18.6859, 0.3226, 0.2381



7.0498, 0.3072, 0.3064



3.8871, 0.2184, 0.0977



0.1088, 0.2562, 0.1185

Inverse Universe

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



17.7077, 0.3679, 0.2848



27.4341, 0.3860, 0.2754



29.3306, 0.3038, 0.4408



7.1342, 0.3221, 0.3194



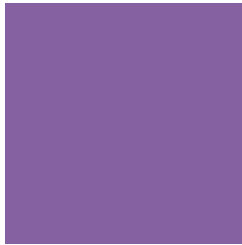
6.4049, 0.5210, 0.2644



0.1440, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 16.2264, 0.2823, 0.2220 looks on a white background.

Color Contrast Check

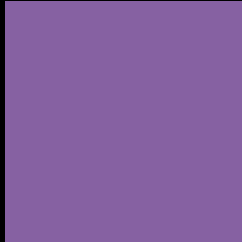
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2264, 0.2823, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

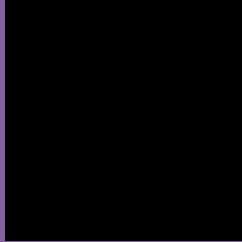
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2264, 0.2823, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 16.2264, 0.2823, 0.2220.



This preview shows how white text looks on a background with the Yxy color 16.2264, 0.2823, 0.2220.

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

16.2264, 0.2823, 0.2220

Protanopia

16.3427, 0.2297, 0.2166

Deuteranopia

16.3050, 0.2449, 0.2396



Tritanopia

16.1888, 0.3286, 0.3138

Trichromacy



Original Color

16.2264, 0.2823, 0.2220

Protanomaly

16.0319, 0.2458, 0.2171

Deuteranomaly

16.0973, 0.2568, 0.2322

Tritanomaly

16.0336, 0.3111, 0.2761

Monochromacy



Original Color

16.2264, 0.2823, 0.2220

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.5286, 0.3017, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2264, 0.2823, 0.2220 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(134, 97, 162)` looks like.

```
.text, #text, p{  
    color:rgb(134, 97, 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(134, 97, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 97, 162) }
```

Border

The CSS property to change the border of an element to Yxy 16.2264, 0.2823, 0.2220 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(134, 97, 162) }
```

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

```
.border{ border-color:rgb(134, 97, 162) }
```

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

Here you see how a box with a 4 pixel rgb(134, 97, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 97, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 97, 162);  
box-shadow:4px 4px 4px 4px rgb(134, 97,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2264, 0.2823, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 97, 162) }
```

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

```
.background{ background-color: rgb(134, 97,  
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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