

Converting Colors

$Y_{xy}(22.7709, 0.2793, 0.2229)$

Have a look what the booklet for
Yxy(22.7709, 0.2793, 0.2229)
contains.

Yxy(22.8056, 0.2795, 0.2225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.8056, 0.2795, 0.2225)

Conversions

Conversions Part 1

Format	Color
Hex	9A73BD
RGB	154, 115, 189
RGB Percent	60%, 45%, 74%
CMY	0.3960, 0.5491, 0.2588
CMYK	0.19, 0.39, 0.00, 0.26
HSL	272°, 36%, 60%
HSV	272°, 39%, 74%
XYZ	28.6479, 22.8056, 51.0435
YIQ	135.0970, -0.5100, 31.2820

Conversions

Conversions Part 2

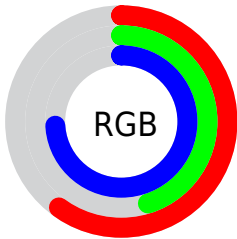
Format	Color
RYB	154, 115, 189
Decimal	10122173
CIELab	54.87, 29.76, -33.17
CIELCh	55, 44.566, 311.894
Yxy	22.8056, 0.2795, 0.2225
Android (android.graphics.Color)	4288312253 (0xFF9A73BD)
YUV	135.0970, 26.5742, 16.5779
Hunter-Lab	47.7552, 23.5090, -29.9440

Details

The Yxy color **22.8056, 0.2795, 0.2225** is a light color, and the websafe version is hex **996699**. A complement of this color would be **44.1196, 0.3355, 0.4371**, and the grayscale version is **24.1672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2144, 0.2866, 0.2427**, and **8.4124, 0.2655, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **18.0851, 0.2682, 0.1935**, and if you desaturate by 10%, it is **28.4769, 0.2897, 0.2516**.

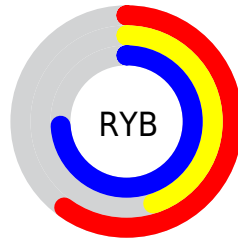
Distribution



Red (60%)

Green (45%)

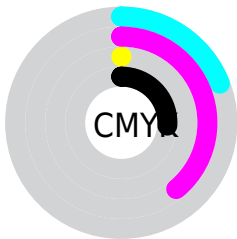
Blue (74%)



Red (60%)

Yellow (45%)

Blue (74%)

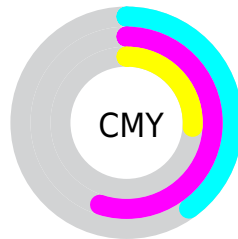


Cyan (19%)

Magenta (39%)

Yellow (0%)

Black (26%)



Cyan (40%)


Magenta (55%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8056, 0.2795, 0.2225 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 22.8056, 0.2795, 0.2225 by changing the saturation by 10% instead.


 22.8056, 0.2795,
0.2225


 22.8056, 0.2795,
0.2225


266.7249, 0.2990,
0.2773


 14.4500, 0.2737,
0.2086


 48.0739, 0.2873,
0.2426


 8.4343, 0.2656,
0.1907


 65.7555, 0.2900,
0.2501

 4.3741, 0.2538,
0.1672


 87.3145, 0.2922,
0.2565

 1.8850, 0.2354,
0.1352

 113.1353, 0.2940,
0.2619

 0.5393, 0.2056,
0.0850

143.6024, 0.2956,
0.2665

 0.0000, 0.0893,
0.0000

179.1001, 0.2969,

 0.0000, 0.0000,

0.2706

0.0000

220.0128, 0.2980,
0.2741

■ 22.8056, 0.2795,
0.2225

■ 22.8056, 0.2795,
0.2225

■ 18.0851, 0.2682,
0.1935

■ 28.4769, 0.2897,
0.2516

■ 14.2568, 0.2561,
0.1657

■ 35.1474, 0.2987,
0.2797

■ 11.2597, 0.2436,
0.1406


■ 42.8654, 0.3066,
0.3063


■ 9.0239, 0.2312,
0.1196


■ 51.6752, 0.3132,
0.3310

■ 7.4671, 0.2193,
0.1037

■ 61.6185, 0.3188,
0.3535


 6.4436, 0.2085,
0.0926

 72.7348, 0.3235,
0.3739

 6.3667, 0.2076,
0.0917

 85.0617, 0.3274,
0.3922

 91.2807, 0.3323,
0.3983

 92.7581, 0.3382,
0.3970

Harmonies

Analogous

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



22.8056, 0.2183, 0.2101



22.8056, 0.2795, 0.2225



22.8056, 0.3593, 0.2560

Triad

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



22.8056, 0.2795, 0.2225



22.8056, 0.4544, 0.4185



22.8056, 0.2028, 0.3387

Complementary

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



22.8056, 0.2795, 0.2225



44.1196, 0.3355, 0.4371

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.



22.8056, 0.2567, 0.4226



22.8056, 0.2795, 0.2225



22.8056, 0.4021, 0.4636

Square

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



22.8056, 0.2795, 0.2225



22.8056, 0.4681, 0.3615



22.8056, 0.3297, 0.4717



22.8056, 0.1787, 0.2655

Rectangle

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



22.8056, 0.2795, 0.2225



22.8056, 0.4109, 0.2874



22.8056, 0.3297, 0.4717



22.8056, 0.2177, 0.3675

Sweetspot

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



22.8065, 0.2795, 0.2225



72.3728, 0.3043, 0.2985



29.3769, 0.2502, 0.2694



15.1698, 0.3033, 0.2951



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.8065, 0.2795, 0.2225



33.4803, 0.2699, 0.1975



26.7005, 0.3185, 0.2351



9.4663, 0.3064, 0.3059



4.3289, 0.2089, 0.0925



0.2082, 0.2348, 0.1067

Inverse Universe

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



25.2801, 0.3629, 0.2812



38.7392, 0.3791, 0.2710



41.3112, 0.3064, 0.4451



9.6094, 0.3216, 0.3182



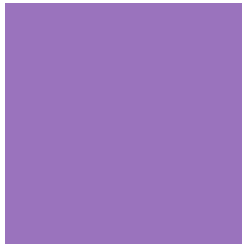
7.7833, 0.5049, 0.2555



0.3181, 0.4496, 0.2250

Previews

White Background



This preview shows how the Yxy color 22.8056, 0.2795, 0.2225 looks on a white background.

Color Contrast Check

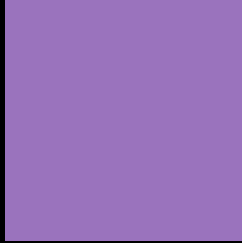
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8056, 0.2795, 0.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

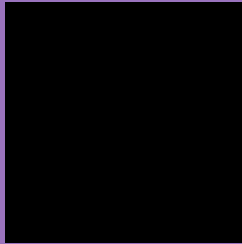
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8056, 0.2795, 0.2225

Background



This preview shows how black text looks on a background with the Yxy color 22.8056, 0.2795, 0.2225.



This preview shows how white text looks on a background with the Yxy color 22.8056, 0.2795, 0.2225.

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

22.8056, 0.2795, 0.2225

Protanopia

22.9817, 0.2302, 0.2174

Deuteranopia

22.9552, 0.2448, 0.2388



Tritanopia

22.7190, 0.3242, 0.3124

Trichromacy



Original Color

22.8056, 0.2795, 0.2225

Protanomaly

22.6575, 0.2448, 0.2179

Deuteranomaly

22.7671, 0.2559, 0.2325

Tritanomaly

22.5815, 0.3070, 0.2763

Monochromacy



Original Color

22.8056, 0.2795, 0.2225

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5557, 0.3001, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8056, 0.2795, 0.2225 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(154, 115, 189)` looks like.

```
.text, #text, p{  
    color:rgb(154, 115, 189)  
}
```

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(154, 115, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 115, 189) }
```

Border

The CSS property to change the border of an element to Yxy 22.8056, 0.2795, 0.2225 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(154, 115, 189) }
```

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

```
.border{ border-color:rgb(154, 115, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 115, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 115, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 115, 189);  
box-shadow:4px 4px 4px 4px rgb(154, 115,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8056, 0.2795, 0.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 115, 189) }
```

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

```
.background{ background-color: rgb(154,  
115, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor