

Converting Colors

$Y_{xy}(12.7943, 0.2913, 0.2219)$

Have a look what the booklet for
Yxy(12.7943, 0.2913, 0.2219)
contains.

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Color

Yxy(12.7899, 0.2920, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	7E5490
RGB	126, 84, 144
RGB Percent	49%, 33%, 56%
CMY	0.5059, 0.6706, 0.4353
CMYK	0.12, 0.42, 0.00, 0.44
HSL	282°, 26%, 45%
HSV	282°, 42%, 56%
XYZ	16.8076, 12.7899, 27.9628
YIQ	103.3980, 5.7720, 27.5640

Conversions

Conversions Part 2

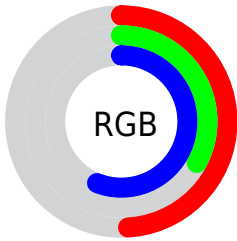
Format	Color
R _Y B	126, 84, 144
Decimal	8279184
CIE Lab	42.44, 28.73, -26.36
CIE LCh	42, 38.989, 317.462
Yxy	12.7899, 0.2920, 0.2222
Android (android.graphics.Color)	4286469264 (0xFF7E5490)
YUV	103.3980, 20.0168, 19.8220
Hunter-Lab	35.7630, 21.3049, -21.3243

Details

The Yxy color **12.7899, 0.2920, 0.2222** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.4069, 0.3250, 0.4461**, and the grayscale version is **13.6196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8307, 0.2985, 0.2451**, and **3.6093, 0.2782, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **10.4590, 0.2851, 0.1965**, and if you desaturate by 10%, it is **15.5955, 0.2982, 0.2488**.

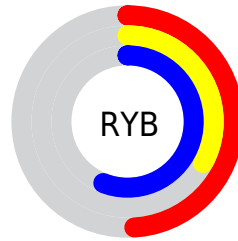
Distribution



Red (49%)

Green (33%)

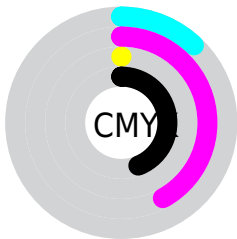
Blue (56%)



Red (49%)

Yellow (33%)

Blue (56%)

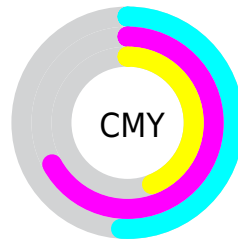


Cyan (12%)

Magenta (42%)

Yellow (0%)

Black (44%)



Cyan (51%)

Magenta (67%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7899, 0.2920, 0.2222 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 12.7899, 0.2920, 0.2222 by changing the saturation by 10% instead.

12.7899, 0.2920,
0.2222

12.7899, 0.2920,
0.2222

209.5667, 0.3058,
0.2821

7.2840, 0.2868,
0.2050

30.9258, 0.2981,
0.2456

3.6404, 0.2788,
0.1815

44.3246, 0.3001,
0.2539

1.4745, 0.2650,
0.1483

61.1233, 0.3016,
0.2607

0.2707, 0.2464,
0.0692

81.7060, 0.3028,
0.2664

0.0000, 0.0000,
0.0000

106.4574, 0.3038,
0.2712

135.7617, 0.3046,

0.2753

170.0033, 0.3053,
0.2789

■ 12.7899, 0.2920,
0.2222

■ 12.7899, 0.2920,
0.2222

■ 10.4590, 0.2851,
0.1965

■ 15.5955, 0.2982,
0.2488

■ 8.5727, 0.2777,
0.1726

■ 18.9003, 0.3036,
0.2752

■ 7.0998, 0.2699,
0.1516


■ 22.7291, 0.3082,
0.3008

■ 6.0045, 0.2619,
0.1346


■ 27.1044, 0.3121,
0.3251

■ 5.2442, 0.2541,
0.1220


■ 32.0475, 0.3154,
0.3478

 4.7690, 0.2477,
0.1138

 37.5784, 0.3180,
0.3687

 43.7164, 0.3202,
0.3878

 50.4795, 0.3219,
0.4051

 57.8853, 0.3232,
0.4208

Harmonies

Analogous

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



12.7899, 0.2230, 0.2048



12.7899, 0.2920, 0.2222



12.7899, 0.3778, 0.2607

Triad

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



12.7899, 0.2920, 0.2222



12.7899, 0.4540, 0.4325



12.7899, 0.1897, 0.3223

Complementary

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



12.7899, 0.2920, 0.2222



23.4069, 0.3250, 0.4461

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.



12.7899, 0.2404, 0.4135



12.7899, 0.2920, 0.2222



12.7899, 0.3929, 0.4767

Square

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



12.7899, 0.2920, 0.2222



12.7899, 0.4782, 0.3733



12.7899, 0.3148, 0.4763



12.7899, 0.1709, 0.2504

Rectangle

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



12.7899, 0.2920, 0.2222



12.7899, 0.4301, 0.2949



12.7899, 0.3148, 0.4763



12.7899, 0.2032, 0.3524

Sweetspot

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



12.7904, 0.2920, 0.2222



39.6728, 0.3080, 0.2993



13.4011, 0.2439, 0.2432



8.9135, 0.3075, 0.2965



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.7904, 0.2920, 0.2222



18.6869, 0.2856, 0.1980



13.9353, 0.3346, 0.2475



5.4310, 0.3093, 0.3070



4.1663, 0.2481, 0.1140



0.0513, 0.2836, 0.1336

Inverse Universe

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



13.2288, 0.3834, 0.2972



19.6799, 0.4082, 0.2904



22.6721, 0.2968, 0.4276



5.4490, 0.3237, 0.3224



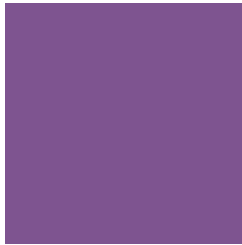
5.3202, 0.5699, 0.2913



0.0544, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 12.7899, 0.2920, 0.2222 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 12.7899, 0.2920, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

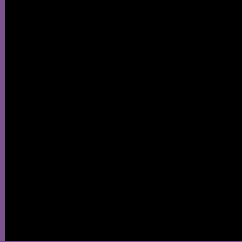
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7899, 0.2920, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 12.7899, 0.2920, 0.2222.



This preview shows how white text looks on a background with the Yxy color 12.7899, 0.2920, 0.2222.

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

12.7899, 0.2920, 0.2222

Protanopia

12.9862, 0.2285, 0.2168

Deuteranopia

12.8252, 0.2477, 0.2424



Tritanopia

12.6902, 0.3417, 0.3126

Trichromacy



Original Color

12.7899, 0.2920, 0.2222

Protanomaly

12.7592, 0.2471, 0.2175

Deuteranomaly

12.7251, 0.2626, 0.2345

Tritanomaly

12.7343, 0.3229, 0.2761

Monochromacy



Original Color

12.7899, 0.2920, 0.2222

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0533, 0.3046, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7899, 0.2920, 0.2222 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(126, 84, 144)` looks like.

```
.text, #text, p{  
  color:rgb(126, 84, 144)  
}
```

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(126, 84, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 84, 144) }
```

Border

The CSS property to change the border of an element to Yxy 12.7899, 0.2920, 0.2222 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(126, 84, 144) }
```

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

```
.border{ border-color:rgb(126, 84, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 84, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 84, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 84, 144); box-shadow:4px 4px 4px 4px rgb(126, 84, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7899, 0.2920, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 84, 144) }
```

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

```
.background{ background-color: rgb(126, 84,  
144) }
```

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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