

Converting Colors

$Y_{xy}(20.5396, 0.2850, 0.2391)$

Have a look what the booklet for
Yxy(20.5396, 0.2850, 0.2391)
contains.

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Color

Yxy(20.5522, 0.2856, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	8F71AA
RGB	143, 113, 170
RGB Percent	56%, 44%, 67%
CMY	0.4392, 0.5568, 0.3334
CMYK	0.16, 0.34, 0.00, 0.33
HSL	272°, 25%, 55%
HSV	272°, 34%, 67%
XYZ	24.4877, 20.5522, 40.7014
YIQ	128.4680, -0.4170, 24.0870

Conversions

Conversions Part 2

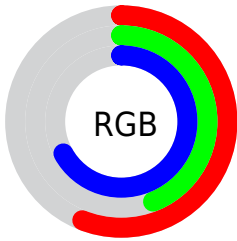
Format	Color
R_{YB}	143, 113, 170
Decimal	9400746
CIE _{Lab}	52.46, 23.09, -26.04
CIE _{LCh}	52, 34.805, 311.556
Yxy	20.5522, 0.2856, 0.2397
Android (android.graphics.Color)	4287590826 (0xFF8F71AA)
YUV	128.4680, 20.4753, 12.7446
Hunter-Lab	45.3345, 17.0824, -21.4965

Details

The Yxy color $20.5522, 0.2856, 0.2397$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $35.5131, 0.3327, 0.4194$, and the grayscale version is $21.6855, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.2168, 0.2921, 0.2579$, and $7.3639, 0.2736, 0.2104$ is the 20% darker color. If you saturate the color by 10%, you get $16.4155, 0.2750, 0.2107$, and if you desaturate by 10%, it is $25.4526, 0.2951, 0.2681$.

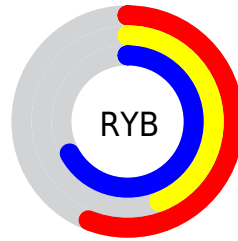
Distribution



Red (56%)

Green (44%)

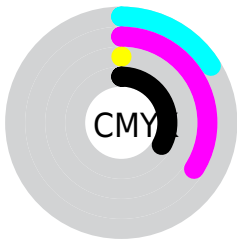
Blue (67%)



Red (56%)

Yellow (44%)

Blue (67%)

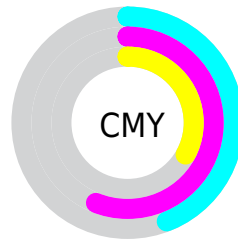


Cyan (16%)

Magenta (34%)

Yellow (0%)

Black (33%)



Cyan (44%)


Magenta (56%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5522, 0.2856, 0.2397 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 20.5522, 0.2856, 0.2397 by changing the saturation by 10% instead.


 20.5522, 0.2856,
0.2397

 20.5522, 0.2856,
0.2397


254.8890, 0.3017,
0.2873

 12.7971, 0.2806,
0.2269


 44.3411, 0.2921,
0.2577


 7.2890, 0.2735,
0.2101


 61.1436, 0.2944,
0.2642

 3.6435, 0.2628,
0.1870

 81.7307, 0.2962,
0.2697

 1.4762, 0.2453,
0.1538

 106.4868, 0.2977,
0.2743

 0.2719, 0.2203,
0.0729

135.7963, 0.2989,
0.2782

 0.0000, 0.0000,
0.0000

170.0436, 0.3000,

0.2816

209.6130, 0.3009,
0.2846

■ 20.5522, 0.2856,
0.2397

■ 20.5522, 0.2856,
0.2397

■ 16.4155, 0.2750,
0.2107

■ 25.4526, 0.2951,
0.2681

■ 12.9992, 0.2634,
0.1822

■ 31.1518, 0.3034,
0.2952

■ 10.2593, 0.2511,
0.1555


■ 37.6859, 0.3105,
0.3206


■ 8.1458, 0.2387,
0.1320


■ 45.0878, 0.3165,
0.3438

■ 6.6015, 0.2265,
0.1130

■ 53.3888, 0.3216,
0.3650

 5.5582, 0.2151,
0.0991

 62.6186, 0.3258,
0.3840

 5.0496, 0.2082,
0.0920

 72.8053, 0.3293,
0.4011

 83.9759, 0.3321,
0.4164

 88.9387, 0.3364,
0.4204

Harmonies

Analogous

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



20.5522, 0.2343, 0.2298



20.5522, 0.2856, 0.2397



20.5522, 0.3503, 0.2681

Triad

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



20.5522, 0.2856, 0.2397



20.5522, 0.4299, 0.4052



20.5522, 0.2228, 0.3389

Complementary

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



20.5522, 0.2856, 0.2397



35.5131, 0.3327, 0.4194

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.



20.5522, 0.2687, 0.4036



20.5522, 0.2856, 0.2397



20.5522, 0.3887, 0.4393

Square

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



20.5522, 0.2856, 0.2397



20.5522, 0.4388, 0.3582



20.5522, 0.3294, 0.4425



20.5522, 0.2011, 0.2792

Rectangle

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



20.5522, 0.2856, 0.2397



20.5522, 0.3916, 0.2949



20.5522, 0.3294, 0.4425



20.5522, 0.2357, 0.3613

Sweetspot

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



20.5530, 0.2856, 0.2397



60.3190, 0.3059, 0.3039



25.3296, 0.2599, 0.2798



13.1014, 0.3049, 0.3004



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.5530, 0.2856, 0.2397



31.7530, 0.2781, 0.2188



23.2224, 0.3176, 0.2488



7.4875, 0.3065, 0.3062



3.7485, 0.2092, 0.0926



0.1213, 0.2458, 0.1128

Inverse Universe

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



22.2496, 0.3528, 0.2885



35.4117, 0.3650, 0.2796



33.4707, 0.3074, 0.4249



7.5993, 0.3215, 0.3184



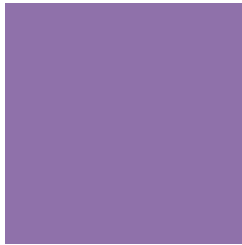
6.7294, 0.5033, 0.2546



0.1741, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 20.5522, 0.2856, 0.2397 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 20.5522, 0.2856, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

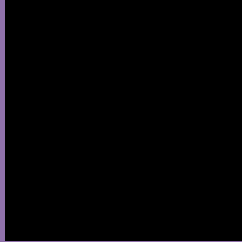
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5522, 0.2856, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 20.5522, 0.2856, 0.2397.



This preview shows how white text looks on a background with the Yxy color 20.5522, 0.2856, 0.2397.

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

20.5522, 0.2856, 0.2397

Protanopia

20.5684, 0.2453, 0.2369

Deuteranopia

20.5705, 0.2586, 0.2522



Tritanopia

20.6048, 0.3221, 0.3133

Trichromacy



Original Color

20.5522, 0.2856, 0.2397

Protanomaly

20.3537, 0.2587, 0.2370

Deuteranomaly

20.4182, 0.2679, 0.2462

Tritanomaly

20.4902, 0.3076, 0.2834

Monochromacy



Original Color

20.5522, 0.2856, 0.2397

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1356, 0.3025, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5522, 0.2856, 0.2397 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(143, 113, 170)` looks like.

```
.text, #text, p{  
    color:rgb(143, 113, 170)  
}
```

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(143, 113, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 113, 170) }
```

Border

The CSS property to change the border of an element to Yxy 20.5522, 0.2856, 0.2397 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(143, 113, 170) }
```

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

```
.border{ border-color:rgb(143, 113, 170) }
```

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

Here you see how a box with a 4 pixel rgb(143, 113, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 113, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 113, 170);  
box-shadow:4px 4px 4px 4px rgb(143, 113,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5522, 0.2856, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 113, 170) }
```

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

```
.background{ background-color: rgb(143,  
113, 170) }
```

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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