

Converting Colors

$Y_{xy}(20.1443, 0.2819, 0.2374)$

Have a look what the booklet for
Yxy(20.1443, 0.2819, 0.2374)
contains.

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Color

Yxy(20.0661, 0.2822, 0.2373)

Conversions

Conversions Part 1

Format	Color
Hex	8C70AA
RGB	140, 112, 170
RGB Percent	55%, 44%, 67%
CMY	0.4510, 0.5608, 0.3334
CMYK	0.18, 0.34, 0.00, 0.33
HSL	269°, 25%, 55%
HSV	269°, 34%, 67%
XYZ	23.8628, 20.0661, 40.6311
YIQ	126.9840, -1.9300, 23.9740

Conversions

Conversions Part 2

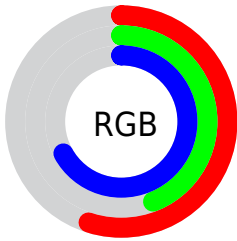
Format	Color
R_{YB}	140, 112, 170
Decimal	9203882
CIE _{Lab}	51.91, 22.70, -26.90
CIE _{LCh}	52, 35.200, 310.164
Yxy	20.0661, 0.2822, 0.2373
Android (android.graphics.Color)	4287393962 (0xFF8C70AA)
YUV	126.9840, 21.2069, 11.4150
Hunter-Lab	44.7952, 16.6971, -22.4218

Details

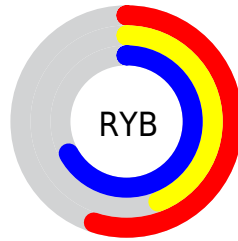
The Yxy color $20.0661, 0.2822, 0.2373$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $35.6576, 0.3354, 0.4204$, and the grayscale version is $21.1445, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4565, 0.2896, 0.2562$, and $7.0986, 0.2685, 0.2067$ is the 20% darker color. If you saturate the color by 10%, you get $15.9299, 0.2705, 0.2078$, and if you desaturate by 10%, it is $24.9729, 0.2927, 0.2662$.

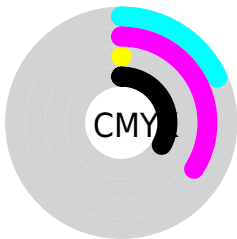
Distribution



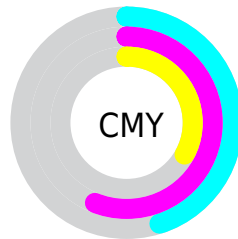
- Red (55%)
- Green (44%)
- Blue (67%)



- Red (55%)
- Yellow (44%)
- Blue (67%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (33%)




- Cyan (45%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0661, 0.2822, 0.2373 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 20.0661, 0.2822, 0.2373 by changing the saturation by 10% instead.


 20.0661, 0.2822,
0.2373


 20.0661, 0.2822,
0.2373


252.2727, 0.3002,
0.2863


 12.4431, 0.2766,
0.2241


 43.5280, 0.2895,
0.2558


 7.0462, 0.2687,
0.2068

 60.1356, 0.2920,
0.2625

 3.4910, 0.2569,
0.1829

 80.5070, 0.2940,
0.2682

 1.3931, 0.2375,
0.1488

 105.0264, 0.2957,
0.2729

 0.2117, 0.2103,
0.0589

134.0783, 0.2971,
0.2770

 0.0000, 0.0000,
0.0000

168.0471, 0.2983,

0.2805

207.3171, 0.2993,
0.2836

■ 20.0661, 0.2822,
0.2373

■ 20.0661, 0.2822,
0.2373

■ 15.9299, 0.2705,
0.2078

■ 24.9729, 0.2927,
0.2662

■ 12.5206, 0.2578,
0.1787

■ 30.6861, 0.3019,
0.2936

■ 9.7935, 0.2445,
0.1514

■ 37.2421, 0.3098,
0.3191

■ 7.6981, 0.2311,
0.1274

■ 44.6743, 0.3166,
0.3425

■ 6.1761, 0.2181,
0.1080

■ 53.0143, 0.3223,
0.3637

■ 5.1581, 0.2062,
0.0940

■ 62.2920, 0.3270,
0.3828

■ 4.6990, 0.1996,
0.0873

■ 72.5361, 0.3310,
0.3998

■ 83.7739, 0.3343,
0.4150

■ 89.4963, 0.3389,
0.4197

Harmonies

Analogous

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



20.0661, 0.2310, 0.2282



20.0661, 0.2822, 0.2373



20.0661, 0.3479, 0.2654

Triad

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



20.0661, 0.2822, 0.2373



20.0661, 0.4333, 0.4043



20.0661, 0.2228, 0.3421

Complementary

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



20.0661, 0.2822, 0.2373



35.6576, 0.3354, 0.4204

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.



20.0661, 0.2705, 0.4079



20.0661, 0.2822, 0.2373



20.0661, 0.3924, 0.4403

Square

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



20.0661, 0.2822, 0.2373



20.0661, 0.4407, 0.3562



20.0661, 0.3325, 0.4457



20.0661, 0.1997, 0.2805

Rectangle

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



20.0661, 0.2822, 0.2373



20.0661, 0.3905, 0.2922



20.0661, 0.3325, 0.4457



20.0661, 0.2363, 0.3651

Sweetspot

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



20.0669, 0.2822, 0.2373



60.1768, 0.3051, 0.3039



25.9679, 0.2596, 0.2838



13.0658, 0.3040, 0.3003



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.



20.0669, 0.2822, 0.2373



30.5625, 0.2734, 0.2147



22.8205, 0.3143, 0.2456



7.4716, 0.3059, 0.3062



3.4908, 0.2008, 0.0880



0.1155, 0.2392, 0.1092

Inverse Universe

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



22.0853, 0.3505, 0.2841



34.9206, 0.3624, 0.2739



33.4821, 0.3097, 0.4280



7.6046, 0.3208, 0.3174



6.8150, 0.4852, 0.2446



0.1761, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 20.0661, 0.2822, 0.2373 looks on a white background.

Color Contrast Check

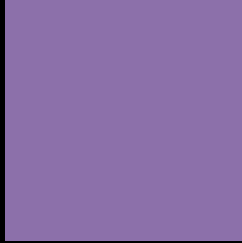
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0661, 0.2822, 0.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

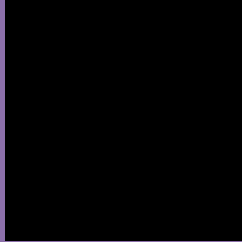
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0661, 0.2822, 0.2373

Background



This preview shows how black text looks on a background with the Yxy color 20.0661, 0.2822, 0.2373.



This preview shows how white text looks on a background with the Yxy color 20.0661, 0.2822, 0.2373.

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

20.0661, 0.2822, 0.2373

Protanopia

20.1976, 0.2433, 0.2347

Deuteranopia

20.1257, 0.2555, 0.2498



Tritanopia

20.0312, 0.3173, 0.3112

Trichromacy



Original Color

20.0661, 0.2822, 0.2373

Protanomaly

19.9036, 0.2556, 0.2346

Deuteranomaly

19.9590, 0.2646, 0.2438

Tritanomaly

20.0012, 0.3040, 0.2812

Monochromacy



Original Color

20.0661, 0.2822, 0.2373

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8078, 0.3014, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0661, 0.2822, 0.2373 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(140, 112, 170)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 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(140, 112, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 170) }
```

Border

The CSS property to change the border of an element to Yxy 20.0661, 0.2822, 0.2373 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(140, 112, 170) }
```

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

```
.border{ border-color:rgb(140, 112, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 112, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 170);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0661, 0.2822, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 170) }
```

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

```
.background{ background-color: rgb(140,  
112, 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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