

Converting Colors

$Y_{xy}(24.3253, 0.2816, 0.2241)$

Have a look what the booklet for
Yxy(24.3253, 0.2816, 0.2241)
contains.

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Color

Yxy(24.1781, 0.2812, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	9F76C1
RGB	159, 118, 193
RGB Percent	62%, 46%, 76%
CMY	0.3767, 0.5371, 0.2432
CMYK	0.18, 0.39, 0.00, 0.24
HSL	273°, 38%, 61%
HSV	273°, 39%, 76%
XYZ	30.3929, 24.1781, 53.5117
YIQ	138.8090, 0.3610, 32.0170

Conversions

Conversions Part 2

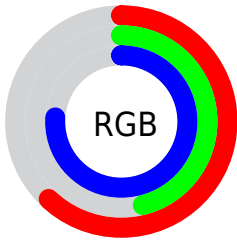
Format	Color
R_{YB}	159, 118, 193
Decimal	10450625
CIE _{Lab}	56.27, 30.42, -33.24
CIE _{LCh}	56, 45.056, 312.470
Yxy	24.1781, 0.2812, 0.2237
Android (android.graphics.Color)	4288640705 (0xFF9F76C1)
YUV	138.8090, 26.7162, 17.7075
Hunter-Lab	49.1712, 24.2816, -30.1039

Details

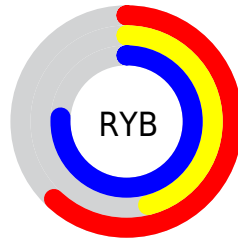
The Yxy color $24.1781, 0.2812, 0.2237$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $46.1279, 0.3342, 0.4367$, and the grayscale version is $25.6365, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4750, 0.2886, 0.2434$, and $9.1845, 0.2684, 0.1936$ is the 20% darker color. If you saturate the color by 10%, you get $19.2237, 0.2704, 0.1949$, and if you desaturate by 10%, it is $30.1280, 0.2910, 0.2526$.

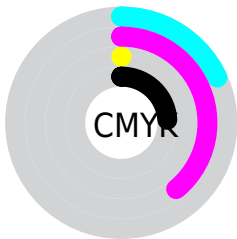
Distribution



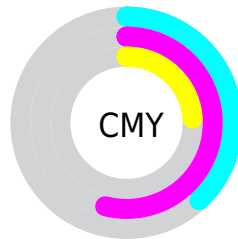
- Red (62%)
- Green (46%)
- Blue (76%)



- Red (62%)
- Yellow (46%)
- Blue (76%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (24%)





- Cyan (38%)
- Magenta (54%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1781, 0.2812, 0.2237 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 24.1781, 0.2812, 0.2237 by changing the saturation by 10% instead.


 24.1781, 0.2812,
0.2237


 24.1781, 0.2812,
0.2237


273.7197, 0.2996,
0.2774


 15.4658, 0.2757,
0.2102


 50.3207, 0.2885,
0.2433

 9.1469, 0.2682,
0.1930


 68.5197, 0.2911,
0.2507

 4.8371, 0.2573,
0.1703


 90.6498, 0.2932,
0.2569

 2.1520, 0.2403,
0.1397

117.0954, 0.2949,
0.2622

 0.6936, 0.2124,
0.0959

148.2407, 0.2964,
0.2668

 0.0000, 0.1378,
0.0000

184.4703, 0.2976,

 0.0000, 0.0000,

0.2708

0.0000

226.1685, 0.2987,
0.2743

■ 24.1781, 0.2812,
0.2237

■ 24.1781, 0.2812,
0.2237

■ 19.2237, 0.2704,
0.1949

■ 30.1280, 0.2910,
0.2526

■ 15.2033, 0.2587,
0.1673

■ 37.1240, 0.2996,
0.2806

■ 12.0534, 0.2467,
0.1425


■ 45.2165, 0.3071,
0.3072


■ 9.7005, 0.2346,
0.1217


■ 54.4521, 0.3134,
0.3317

■ 8.0588, 0.2231,
0.1058


■ 64.8743, 0.3187,
0.3542


 6.9841, 0.2125,
0.0949

 76.5246, 0.3232,
0.3746

 6.8735, 0.2113,
0.0937

 89.4421, 0.3268,
0.3929

 92.0393, 0.3323,
0.3935

 93.5185, 0.3381,
0.3923

Harmonies

Analogous

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



24.1781, 0.2199, 0.2110



24.1781, 0.2812, 0.2237



24.1781, 0.3605, 0.2574

Triad

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



24.1781, 0.2812, 0.2237



24.1781, 0.4526, 0.4190



24.1781, 0.2029, 0.3371

Complementary

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



24.1781, 0.2812, 0.2237



46.1279, 0.3342, 0.4367

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.



24.1781, 0.2559, 0.4203



24.1781, 0.2812, 0.2237



24.1781, 0.4003, 0.4632

Square

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



24.1781, 0.2812, 0.2237



24.1781, 0.4670, 0.3625



24.1781, 0.3282, 0.4700



24.1781, 0.1795, 0.2649

Rectangle

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



24.1781, 0.2812, 0.2237



24.1781, 0.4114, 0.2887



24.1781, 0.3282, 0.4700



24.1781, 0.2175, 0.3655

Sweetspot

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



24.1791, 0.2812, 0.2237



75.9168, 0.3047, 0.2985



30.4900, 0.2503, 0.2679



15.8726, 0.3037, 0.2950



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.1791, 0.2812, 0.2237



35.3299, 0.2716, 0.1980



28.0396, 0.3198, 0.2371



10.0127, 0.3067, 0.3058



4.6201, 0.2125, 0.0944



0.2401, 0.2360, 0.1074

Inverse Universe

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



26.5699, 0.3641, 0.2833



40.4660, 0.3816, 0.2731



43.3588, 0.3056, 0.4422



10.1523, 0.3219, 0.3186



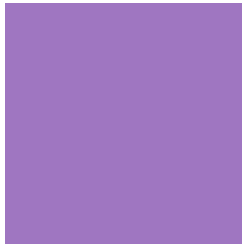
8.0214, 0.5129, 0.2599



0.3605, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 24.1781, 0.2812, 0.2237 looks on a white background.

Color Contrast Check

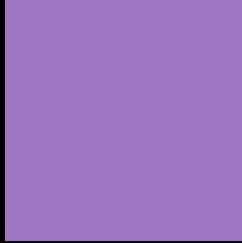
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1781, 0.2812, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

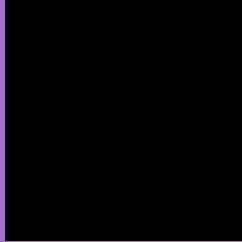
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1781, 0.2812, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 24.1781, 0.2812, 0.2237.



This preview shows how white text looks on a background with the Yxy color 24.1781, 0.2812, 0.2237.

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

24.1781, 0.2812, 0.2237

Protanopia

24.4978, 0.2318, 0.2198

Deuteranopia

24.4809, 0.2462, 0.2409



Tritanopia

24.0486, 0.3263, 0.3128

Trichromacy



Original Color

24.1781, 0.2812, 0.2237

Protanomaly

24.2446, 0.2471, 0.2206

Deuteranomaly

24.1055, 0.2579, 0.2334

Tritanomaly

23.9427, 0.3083, 0.2762

Monochromacy



Original Color

24.1781, 0.2812, 0.2237

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.8468, 0.3005, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1781, 0.2812, 0.2237 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(159, 118, 193)` looks like.

```
.text, #text, p{  
    color:rgb(159, 118, 193)  
}
```

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(159, 118, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 118, 193) }
```

Border

The CSS property to change the border of an element to Yxy 24.1781, 0.2812, 0.2237 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(159, 118, 193) }
```

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

```
.border{ border-color:rgb(159, 118, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 118, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 118, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 118, 193);  
box-shadow:4px 4px 4px 4px rgb(159, 118,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1781, 0.2812, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 118, 193) }
```

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

```
.background{ background-color: rgb(159,  
118, 193) }
```

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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