

Converting Colors

$Y_{xy}(21.2852, 0.2673, 0.2166)$

Have a look what the booklet for
Yxy(21.2852, 0.2673, 0.2166)
contains.

Yxy(21.2352, 0.2669, 0.2159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2352, 0.2669, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	8E71BD
RGB	142, 113, 189
RGB Percent	56%, 44%, 74%
CMY	0.4430, 0.5569, 0.2587
CMYK	0.25, 0.40, 0.00, 0.26
HSL	263°, 37%, 59%
HSV	263°, 40%, 74%
XYZ	26.2514, 21.2352, 50.8701
YIQ	130.3350, -7.1120, 29.7840

Conversions

Conversions Part 2

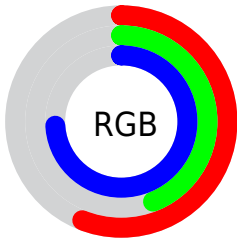
Format	Color
R _Y B	142, 113, 189
Decimal	9335229
CIE Lab	53.21, 27.32, -35.87
CIE LCh	53, 45.087, 307.291
Yxy	21.2352, 0.2669, 0.2159
Android (android.graphics.Color)	4287525309 (0xFF8E71BD)
YUV	130.3350, 28.9218, 10.2302
Hunter-Lab	46.0817, 21.0434, -33.1937

Details

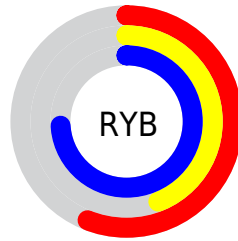
The Yxy color **21.2352, 0.2669, 0.2159** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **45.0663, 0.3457, 0.4368**, and the grayscale version is **22.3468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4344, 0.2771, 0.2370**, and **7.5897, 0.2491, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **16.4692, 0.2521, 0.1849**, and if you desaturate by 10%, it is **26.9894, 0.2805, 0.2466**.

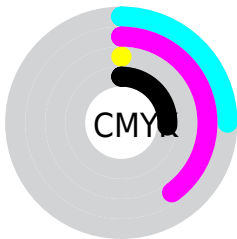
Distribution



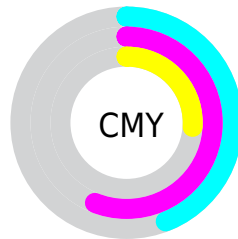
- Red (56%)
- Green (44%)
- Blue (74%)



- Red (56%)
- Yellow (44%)
- Blue (74%)



- Cyan (25%)
- Magenta (40%)
- Yellow (0%)
- Black (26%)




- Cyan (44%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2352, 0.2669, 0.2159 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 21.2352, 0.2669, 0.2159 by changing the saturation by 10% instead.


 21.2352, 0.2669,
0.2159


 21.2352, 0.2669,
0.2159


258.5258, 0.2934,
0.2745


 13.2960, 0.2591,
0.2009


 45.4786, 0.2774,
0.2375


 7.6327, 0.2484,
0.1817


 62.5517, 0.2811,
0.2456

 3.8608, 0.2330,
0.1564


 83.4382, 0.2841,
0.2523

 1.5960, 0.2094,
0.1223

 108.5225, 0.2866,
0.2581

 0.3549, 0.1738,
0.0608

138.1890, 0.2887,
0.2631

 0.0000, 0.0000,
0.0000

172.8222, 0.2905,

0.2674

212.8063, 0.2920,
0.2712

■ 21.2352, 0.2669,
0.2159

■ 21.2352, 0.2669,
0.2159

■ 16.4692, 0.2521,
0.1849

■ 26.9894, 0.2805,
0.2466

■ 12.6307, 0.2366,
0.1550

■ 33.7827, 0.2927,
0.2760

■ 9.6559, 0.2210,
0.1279

■ 41.6654, 0.3033,
0.3034

■ 7.4713, 0.2061,
0.1054

■ 50.6838, 0.3125,
0.3285

■ 5.9910, 0.1927,
0.0886

■ 60.8814, 0.3204,
0.3511

■ 5.0608, 0.1815,
0.0773

■ 72.2994, 0.3270,
0.3713

■ 84.9771, 0.3326,
0.3892

■ 92.9390, 0.3389,
0.3968

■ 94.9985, 0.3467,
0.3951

Harmonies

Analogous

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



21.2352, 0.2081, 0.2068



21.2352, 0.2669, 0.2159



21.2352, 0.3477, 0.2473

Triad

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



21.2352, 0.2669, 0.2159



21.2352, 0.4641, 0.4119



21.2352, 0.2058, 0.3525

Complementary

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



21.2352, 0.2669, 0.2159



45.0663, 0.3457, 0.4368

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.



21.2352, 0.2652, 0.4378



21.2352, 0.2669, 0.2159



21.2352, 0.4146, 0.4623

Square

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



21.2352, 0.2669, 0.2159



21.2352, 0.4713, 0.3527



21.2352, 0.3417, 0.4796



21.2352, 0.1764, 0.2726

Rectangle

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



21.2352, 0.2669, 0.2159



21.2352, 0.4028, 0.2780



21.2352, 0.3417, 0.4796



21.2352, 0.2226, 0.3827

Sweetspot

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



21.2360, 0.2669, 0.2159



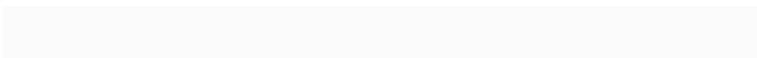
71.6709, 0.3014, 0.2982



32.7238, 0.2513, 0.2859



15.0044, 0.3000, 0.2947



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.



21.2360, 0.2669, 0.2159



30.6274, 0.2543, 0.1894



25.0519, 0.3062, 0.2279



9.3982, 0.3042, 0.3057



3.4452, 0.1828, 0.0780



0.1728, 0.2112, 0.0937

Inverse Universe

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



25.1658, 0.3508, 0.2656



38.7978, 0.3622, 0.2526



41.8157, 0.3147, 0.4481



9.6328, 0.3194, 0.3149



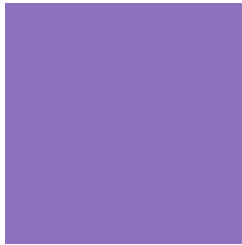
8.1555, 0.4449, 0.2224



0.3318, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 21.2352, 0.2669, 0.2159 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 21.2352, 0.2669, 0.2159 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 21.2352, 0.2669, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 21.2352, 0.2669, 0.2159.



This preview shows how white text looks on a background with the Yxy color 21.2352, 0.2669, 0.2159.

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

21.2352, 0.2669, 0.2159

Protanopia

21.5001, 0.2259, 0.2121

Deuteranopia

21.2917, 0.2357, 0.2302



Tritanopia

21.2940, 0.3111, 0.3132

Trichromacy



Original Color

21.2352, 0.2669, 0.2159

Protanomaly

21.2597, 0.2388, 0.2137

Deuteranomaly

21.0445, 0.2461, 0.2238

Tritanomaly

21.2421, 0.2944, 0.2740

Monochromacy



Original Color

21.2352, 0.2669, 0.2159

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.7180, 0.2953, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2352, 0.2669, 0.2159 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(142, 113, 189)` looks like.

```
.text, #text, p{  
    color:rgb(142, 113, 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(142, 113, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 113, 189) }
```

Border

The CSS property to change the border of an element to Yxy 21.2352, 0.2669, 0.2159 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(142, 113, 189) }
```

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

```
.border{ border-color:rgb(142, 113, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 113, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 113, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 113, 189);  
box-shadow:4px 4px 4px 4px rgb(142, 113,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2352, 0.2669, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 113, 189) }
```

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

```
.background{ background-color: rgb(142,  
113, 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