

Converting Colors

$Y_{xy}(22.2410, 0.2646, 0.2165)$

Have a look what the booklet for
Yxy(22.2410, 0.2646, 0.2165)
contains.

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Color

Yxy(22.1807, 0.2649, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	8F74C1
RGB	143, 116, 193
RGB Percent	56%, 45%, 76%
CMY	0.4391, 0.5451, 0.2431
CMYK	0.26, 0.40, 0.00, 0.24
HSL	261°, 38%, 61%
HSV	261°, 40%, 76%
XYZ	27.2022, 22.1807, 53.3056
YIQ	132.8510, -8.6250, 29.6710

Conversions

Conversions Part 2

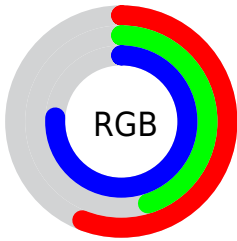
Format	Color
RYB	143, 116, 193
Decimal	9401537
CIELab	54.22, 26.84, -36.56
CIElCh	54, 45.355, 306.279
Yxy	22.1807, 0.2649, 0.2160
Android (android.graphics.Color)	4287591617 (0xFF8F74C1)
YUV	132.8510, 29.6535, 8.9007
Hunter-Lab	47.0964, 20.6802, -34.1393

Details

The Yxy color **22.1807, 0.2649, 0.2160** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.5105, 0.3477, 0.4353**, and the grayscale version is **23.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9132, 0.2754, 0.2368**, and **8.0520, 0.2454, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **17.1284, 0.2494, 0.1845**, and if you desaturate by 10%, it is **28.2840, 0.2792, 0.2471**.

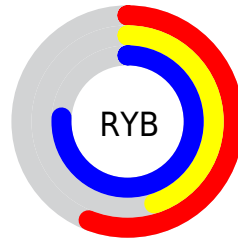
Distribution



Red (56%)

Green (45%)

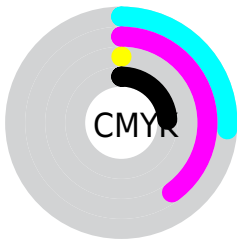
Blue (76%)



Red (56%)

Yellow (45%)

Blue (76%)

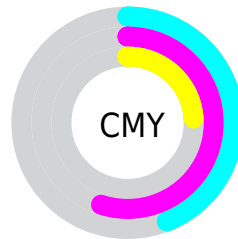


Cyan (26%)

Magenta (40%)

Yellow (0%)

Black (24%)



Cyan (44%)


Magenta (55%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1807, 0.2649, 0.2160 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 22.1807, 0.2649, 0.2160 by changing the saturation by 10% instead.


 22.1807, 0.2649,
0.2160


 22.1807, 0.2649,
0.2160


263.4885, 0.2922,
0.2742

 13.9897, 0.2570,
0.2013

 47.0445, 0.2757,
0.2374


 8.1135, 0.2462,
0.1824


 64.4861, 0.2794,
0.2454

 4.1677, 0.2308,
0.1577


 85.7800, 0.2825,
0.2521

 1.7678, 0.2076,
0.1245

 111.3107, 0.2851,
0.2578

 0.4670, 0.1719,
0.0713

141.4624, 0.2873,
0.2628

 0.0000, 0.0212,
0.0000

176.6197, 0.2892,

 0.0000, 0.0000,

0.2671

0.0000

217.1670, 0.2908,
0.2709

■ 22.1807, 0.2649,
0.2160

■ 22.1807, 0.2649,
0.2160

■ 17.1284, 0.2494,
0.1845

■ 28.2840, 0.2792,
0.2471

■ 13.0626, 0.2333,
0.1541

■ 35.4923, 0.2919,
0.2767

■ 9.9159, 0.2171,
0.1265

■ 43.8589, 0.3031,
0.3042

■ 7.6105, 0.2018,
0.1034

■ 53.4329, 0.3128,
0.3292

■ 6.0554, 0.1882,
0.0863

■ 64.2605, 0.3211,
0.3518

■ 5.0786, 0.1768,
0.0748

■ 76.3855, 0.3281,
0.3718

■ 5.0702, 0.1767,
0.0747

■ 89.8495, 0.3340,
0.3896

■ 94.4685, 0.3417,
0.3916

■ 96.6307, 0.3496,
0.3900

Harmonies

Analogous

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



22.1807, 0.2074, 0.2078



22.1807, 0.2649, 0.2160



22.1807, 0.3446, 0.2465

Triad

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



22.1807, 0.2649, 0.2160



22.1807, 0.4640, 0.4095



22.1807, 0.2082, 0.3554

Complementary

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



22.1807, 0.2649, 0.2160



47.5105, 0.3477, 0.4353

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.



22.1807, 0.2681, 0.4391



22.1807, 0.2649, 0.2160



22.1807, 0.4161, 0.4600

Square

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



22.1807, 0.2649, 0.2160



22.1807, 0.4693, 0.3507



22.1807, 0.3443, 0.4785



22.1807, 0.1779, 0.2754

Rectangle

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



22.1807, 0.2649, 0.2160



22.1807, 0.3995, 0.2767



22.1807, 0.3443, 0.4785



22.1807, 0.2252, 0.3852

Sweetspot

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



22.1816, 0.2649, 0.2160



74.9313, 0.3007, 0.2981



34.8556, 0.2520, 0.2883



15.6407, 0.2993, 0.2946



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.



22.1816, 0.2649, 0.2160



31.6230, 0.2513, 0.1881



26.2192, 0.3048, 0.2281



9.9161, 0.3037, 0.3056



3.4126, 0.1780, 0.0754



0.1862, 0.2041, 0.0898

Inverse Universe

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



26.5806, 0.3476, 0.2630



40.8014, 0.3584, 0.2490



43.9595, 0.3157, 0.4468



10.1855, 0.3190, 0.3142



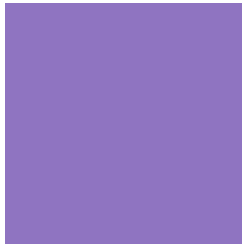
8.5457, 0.4328, 0.2158



0.3819, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 22.1807, 0.2649, 0.2160 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 22.1807, 0.2649, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

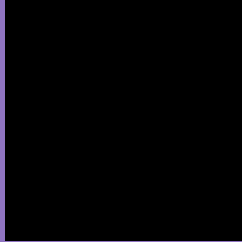
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1807, 0.2649, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 22.1807, 0.2649, 0.2160.



This preview shows how white text looks on a background with the Yxy color 22.1807, 0.2649, 0.2160.

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

22.1807, 0.2649, 0.2160

Protanopia

22.3153, 0.2256, 0.2111

Deuteranopia

22.3613, 0.2355, 0.2304



Tritanopia

22.2599, 0.3077, 0.3117

Trichromacy



Original Color

22.1807, 0.2649, 0.2160

Protanomaly

22.0713, 0.2383, 0.2127

Deuteranomaly

22.0284, 0.2448, 0.2239

Tritanomaly

22.2023, 0.2915, 0.2732

Monochromacy



Original Color

22.1807, 0.2649, 0.2160

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.8637, 0.2946, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1807, 0.2649, 0.2160 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, 116, 193)` looks like.

```
.text, #text, p{  
    color:rgb(143, 116, 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(143, 116, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 116, 193) }
```

Border

The CSS property to change the border of an element to Yxy 22.1807, 0.2649, 0.2160 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, 116, 193) }
```

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

```
.border{ border-color:rgb(143, 116, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 116, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 116, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 116, 193);  
box-shadow:4px 4px 4px 4px rgb(143, 116,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1807, 0.2649, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 116, 193) }
```

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

```
.background{ background-color: rgb(143,  
116, 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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