

Converting Colors

$Y_{xy}(22.1010, 0.2672, 0.2137)$

Have a look what the booklet for
Yxy(22.1010, 0.2672, 0.2137)
contains.

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Color

Yxy(22.0407, 0.2668, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	9272C2
RGB	146, 114, 194
RGB Percent	57%, 45%, 76%
CMY	0.4274, 0.5529, 0.2393
CMYK	0.25, 0.41, 0.00, 0.24
HSL	264°, 40%, 60%
HSV	264°, 41%, 76%
XYZ	27.6078, 22.0407, 53.8290
YIQ	132.6880, -6.6080, 31.6640

Conversions

Conversions Part 2

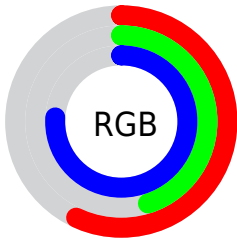
Format	Color
R _Y B	146, 114, 194
Decimal	9597634
CIE Lab	54.07, 29.11, -37.33
CIE LCh	54, 47.337, 307.941
Yxy	22.0407, 0.2668, 0.2130
Android (android.graphics.Color)	4287787714 (0xFF9272C2)
YUV	132.6880, 30.2268, 11.6746
Hunter-Lab	46.9475, 22.8099, -35.1173

Details

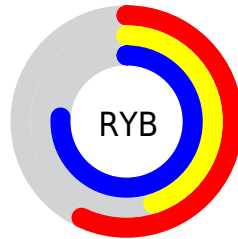
The Yxy color **22.0407, 0.2668, 0.2130** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.4720, 0.3452, 0.4403**, and the grayscale version is **23.2270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6550, 0.2768, 0.2343**, and **8.0012, 0.2480, 0.1782** is the 20% darker color. If you saturate the color by 10%, you get **17.1066, 0.2523, 0.1822**, and if you desaturate by 10%, it is **28.0130, 0.2802, 0.2437**.

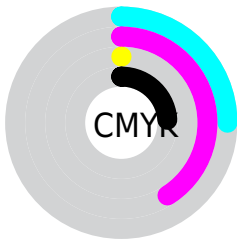
Distribution



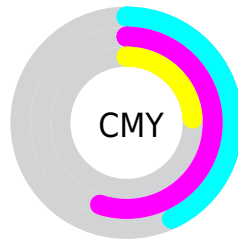
- Red (57%)
- Green (45%)
- Blue (76%)



- Red (57%)
- Yellow (45%)
- Blue (76%)



- Cyan (25%)
- Magenta (41%)
- Yellow (0%)
- Black (24%)





- Cyan (43%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0407, 0.2668, 0.2130 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 22.0407, 0.2668, 0.2130 by changing the saturation by 10% instead.


 22.0407, 0.2668,
0.2130

 22.0407, 0.2668,
0.2130


262.7587, 0.2932,
0.2726


 13.8868, 0.2591,
0.1980


 46.8133, 0.2772,
0.2348


 8.0420, 0.2485,
0.1789


 64.2007, 0.2809,
0.2430

 4.1218, 0.2335,
0.1539


 85.4348, 0.2839,
0.2498

 1.7419, 0.2106,
0.1207

 110.8999, 0.2864,
0.2557

 0.4506, 0.1756,
0.0673

140.9805, 0.2885,
0.2608

 0.0000, 0.0374,
0.0000

176.0609, 0.2903,

 0.0000, 0.0000,

0.2652

0.0000

216.5255, 0.2919,
0.2691

■ 22.0407, 0.2668,
0.2130

■ 22.0407, 0.2668,
0.2130

■ 17.1066, 0.2523,
0.1822

■ 28.0130, 0.2802,
0.2437

■ 13.1458, 0.2371,
0.1528

■ 35.0781, 0.2921,
0.2732

■ 10.0898, 0.2218,
0.1264

■ 43.2896, 0.3026,
0.3007

■ 7.8594, 0.2072,
0.1046

■ 52.6969, 0.3117,
0.3261

■ 6.3614, 0.1941,
0.0886

■ 63.3464, 0.3194,
0.3490

■ 5.4976, 0.1842,
0.0788

■ 75.2819, 0.3259,
0.3695

■ 88.5451, 0.3314,
0.3877

■ 93.7832, 0.3384,
0.3911

■ 95.8757, 0.3461,
0.3896

Harmonies

Analogous

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



22.0407, 0.2058, 0.2030



22.0407, 0.2668, 0.2130



22.0407, 0.3507, 0.2456

Triad

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



22.0407, 0.2668, 0.2130



22.0407, 0.4683, 0.4150



22.0407, 0.2012, 0.3511

Complementary

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



22.0407, 0.2668, 0.2130



47.4720, 0.3452, 0.4403

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.



22.0407, 0.2616, 0.4407



22.0407, 0.2668, 0.2130



22.0407, 0.4160, 0.4674

Square

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



22.0407, 0.2668, 0.2130



22.0407, 0.4773, 0.3540



22.0407, 0.3404, 0.4853



22.0407, 0.1720, 0.2688

Rectangle

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



22.0407, 0.2668, 0.2130



22.0407, 0.4078, 0.2773



22.0407, 0.3404, 0.4853



22.0407, 0.2181, 0.3826

Sweetspot

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



22.0416, 0.2668, 0.2130



76.9215, 0.3017, 0.2982



33.3104, 0.2491, 0.2804



16.3893, 0.3004, 0.2946



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



22.0416, 0.2668, 0.2130



32.1848, 0.2544, 0.1867



26.3677, 0.3088, 0.2262



9.9402, 0.3044, 0.3056



3.6600, 0.1855, 0.0796



0.1982, 0.2117, 0.0940

Inverse Universe

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



26.1114, 0.3539, 0.2657



40.7240, 0.3662, 0.2532



43.9298, 0.3126, 0.4525



10.1771, 0.3197, 0.3153



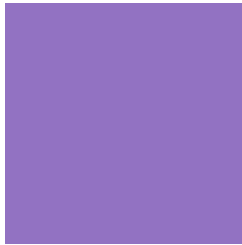
8.3922, 0.4523, 0.2266



0.3759, 0.4155, 0.2063

Previews

White Background



This preview shows how the Yxy color 22.0407, 0.2668, 0.2130 looks on a white background.

Color Contrast Check

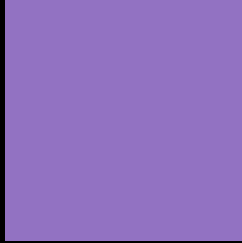
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0407, 0.2668, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

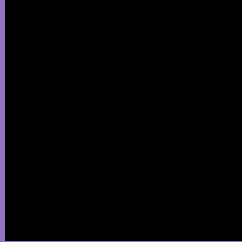
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0407, 0.2668, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 22.0407, 0.2668, 0.2130.



This preview shows how white text looks on a background with the Yxy color 22.0407, 0.2668, 0.2130.

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

22.0407, 0.2668, 0.2130

Protanopia

22.2958, 0.2231, 0.2084

Deuteranopia

22.3457, 0.2341, 0.2290



Tritanopia

21.9335, 0.3135, 0.3118

Trichromacy



Original Color

22.0407, 0.2668, 0.2130

Protanomaly

21.9180, 0.2367, 0.2089

Deuteranomaly

22.1430, 0.2449, 0.2229

Tritanomaly

21.9288, 0.2958, 0.2719

Monochromacy



Original Color

22.0407, 0.2668, 0.2130

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.6915, 0.2957, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0407, 0.2668, 0.2130 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(146, 114, 194)` looks like.

```
.text, #text, p{  
    color:rgb(146, 114, 194)  
}
```

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(146, 114, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 114, 194) }
```

Border

The CSS property to change the border of an element to Yxy 22.0407, 0.2668, 0.2130 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(146, 114, 194) }
```

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

```
.border{ border-color:rgb(146, 114, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 114, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 114, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 114, 194);  
box-shadow:4px 4px 4px 4px rgb(146, 114,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0407, 0.2668, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 114, 194) }
```

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

```
.background{ background-color: rgb(146,  
114, 194) }
```

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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