

Converting Colors

$Y_{xy}(22.5051, 0.2746, 0.2169)$

Have a look what the booklet for
Yxy(22.5051, 0.2746, 0.2169)
contains.

Yxy(22.5158, 0.2746, 0.2171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5158, 0.2746, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	9872C0
RGB	152, 114, 192
RGB Percent	60%, 45%, 75%
CMY	0.4040, 0.5529, 0.2470
CMYK	0.21, 0.41, 0.00, 0.25
HSL	269°, 38%, 60%
HSV	269°, 41%, 75%
XYZ	28.4792, 22.5158, 52.7166
YIQ	134.2540, -2.3900, 32.3140

Conversions

Conversions Part 2

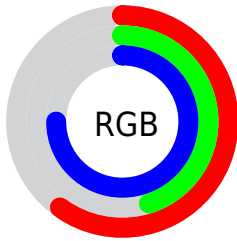
Format	Color
RYB	152, 114, 192
Decimal	9990848
CIELab	54.57, 30.40, -35.37
CIELCh	55, 46.641, 310.675
Yxy	22.5158, 0.2746, 0.2171
Android (android.graphics.Color)	4288180928 (0xFF9872C0)
YUV	134.2540, 28.4688, 15.5632
Hunter-Lab	47.4508, 24.0939, -32.6541

Details

The Yxy color **22.5158, 0.2746, 0.2171** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.7889, 0.3389, 0.4407**, and the grayscale version is **23.8327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5219, 0.2836, 0.2375**, and **8.2682, 0.2588, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **17.7188, 0.2622, 0.1876**, and if you desaturate by 10%, it is **28.3027, 0.2859, 0.2467**.

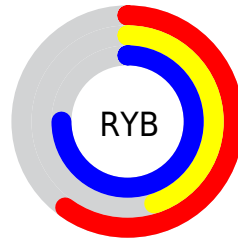
Distribution



Red (60%)

Green (45%)

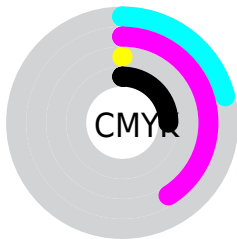
Blue (75%)



Red (60%)

Yellow (45%)

Blue (75%)

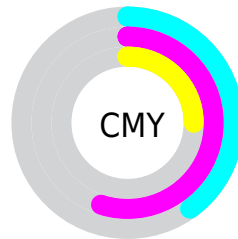


Cyan (21%)

Magenta (41%)

Yellow (0%)

Black (25%)



Cyan (40%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5158, 0.2746, 0.2171 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 22.5158, 0.2746, 0.2171 by changing the saturation by 10% instead.

■ 22.5158, 0.2746,
0.2171

■ 22.5158, 0.2746,
0.2171

■ 265.2282, 0.2968,
0.2745

■ 14.2364, 0.2680,
0.2026

■ 47.5970, 0.2834,
0.2381

■ 8.2853, 0.2589,
0.1841

■ 65.1677, 0.2865,
0.2460

■ 4.2780, 0.2458,
0.1599

■ 86.6041, 0.2890,
0.2526

■ 1.8303, 0.2256,
0.1273

■ 112.2909, 0.2911,
0.2583

■ 0.5059, 0.1936,
0.0763

■ 142.6122, 0.2929,
0.2632

■ 0.0000, 0.0753,
0.0000

■ 177.9527, 0.2944,

■ 0.0000, 0.0000,

0.2674

0.0000

218.6965, 0.2957,
0.2712

■ 22.5158, 0.2746,
0.2171

■ 22.5158, 0.2746,
0.2171

■ 17.7188, 0.2622,
0.1876

■ 28.3027, 0.2859,
0.2467

■ 13.8496, 0.2490,
0.1594

■ 35.1310, 0.2960,
0.2754

■ 10.8434, 0.2355,
0.1341


■ 43.0518, 0.3048,
0.3025


■ 8.6253, 0.2223,
0.1132

■ 52.1118, 0.3123,
0.3275

■ 7.1067, 0.2100,
0.0976

■ 62.3553, 0.3186,
0.3503

 6.1593, 0.1995,
0.0873

 73.8239, 0.3240,
0.3709

 86.5572, 0.3284,
0.3894

 92.2807, 0.3340,
0.3943

 93.9643, 0.3406,
0.3930

Harmonies

Analogous

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



22.5158, 0.2121, 0.2051



22.5158, 0.2746, 0.2171



22.5158, 0.3579, 0.2510

Triad

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



22.5158, 0.2746, 0.2171



22.5158, 0.4622, 0.4192



22.5158, 0.1994, 0.3425

Complementary

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



22.5158, 0.2746, 0.2171



45.7889, 0.3389, 0.4407

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.



22.5158, 0.2564, 0.4311



22.5158, 0.2746, 0.2171



22.5158, 0.4082, 0.4683

Square

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



22.5158, 0.2746, 0.2171



22.5158, 0.4753, 0.3595



22.5158, 0.3329, 0.4804



22.5158, 0.1735, 0.2644

Rectangle

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



22.5158, 0.2746, 0.2171



22.5158, 0.4128, 0.2831



22.5158, 0.3329, 0.4804



22.5158, 0.2152, 0.3731

Sweetspot

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



22.5167, 0.2746, 0.2171



75.6158, 0.3035, 0.2984



30.5963, 0.2484, 0.2709



15.8016, 0.3024, 0.2949



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.



22.5167, 0.2746, 0.2171



32.7654, 0.2633, 0.1900



26.8805, 0.3159, 0.2299



9.9833, 0.3058, 0.3057



4.1903, 0.2008, 0.0880



0.2221, 0.2259, 0.1018

Inverse Universe

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



25.5773, 0.3615, 0.2753



39.3301, 0.3778, 0.2636



42.5823, 0.3079, 0.4521



10.1622, 0.3210, 0.3172



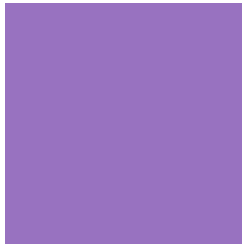
8.1564, 0.4882, 0.2463



0.3663, 0.4411, 0.2204

Previews

White Background



This preview shows how the Yxy color 22.5158, 0.2746, 0.2171 looks on a white background.

Color Contrast Check

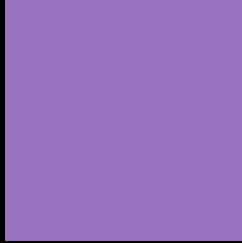
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5158, 0.2746, 0.2171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

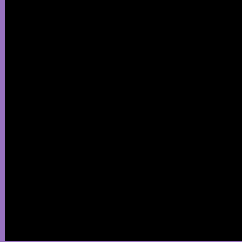
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5158, 0.2746, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 22.5158, 0.2746, 0.2171.



This preview shows how white text looks on a background with the Yxy color 22.5158, 0.2746, 0.2171.

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

22.5158, 0.2746, 0.2171

Protanopia

22.6815, 0.2260, 0.2117

Deuteranopia

22.8275, 0.2395, 0.2341



Tritanopia

22.4501, 0.3206, 0.3122

Trichromacy



Original Color

22.5158, 0.2746, 0.2171

Protanomaly

22.4010, 0.2409, 0.2125

Deuteranomaly

22.4181, 0.2507, 0.2265

Tritanomaly

22.4304, 0.3037, 0.2745

Monochromacy



Original Color

22.5158, 0.2746, 0.2171

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2080, 0.2990, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5158, 0.2746, 0.2171 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(152, 114, 192)` looks like.

```
.text, #text, p{  
    color:rgb(152, 114, 192)  
}
```

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(152, 114, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 114, 192) }
```

Border

The CSS property to change the border of an element to Yxy 22.5158, 0.2746, 0.2171 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(152, 114, 192) }
```

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

```
.border{ border-color:rgb(152, 114, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 114, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 114, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 114, 192);  
box-shadow:4px 4px 4px 4px rgb(152, 114,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5158, 0.2746, 0.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 114, 192) }
```

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

```
.background{ background-color: rgb(152,  
114, 192) }
```

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