

Converting Colors

$Y_{xy}(22.1345, 0.2645, 0.1771)$

Have a look what the booklet for
Yxy(22.1345, 0.2645, 0.1771)
contains.

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Color

Yxy(22.1451, 0.2645, 0.1776)

Conversions

Conversions Part 1

Format	Color
Hex	A663DB
RGB	166, 99, 219
RGB Percent	65%, 39%, 86%
CMY	0.3489, 0.6118, 0.1411
CMYK	0.24, 0.55, 0.00, 0.14
HSL	274°, 63%, 62%
HSV	274°, 55%, 86%
XYZ	32.9807, 22.1451, 69.5650
YIQ	132.7130, 1.4120, 51.5240

Conversions

Conversions Part 2

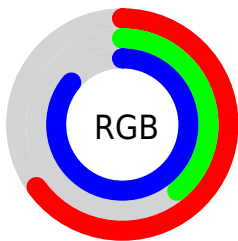
Format	Color
R_{YB}	166, 99, 219
Decimal	10904539
CIE _{Lab}	54.18, 48.85, -51.25
CIE _{LCh}	54, 70.805, 313.624
Yxy	22.1451, 0.2645, 0.1776
Android (android.graphics.Color)	4289094619 (0xFFA663DB)
YUV	132.7130, 42.5395, 29.1927
Hunter-Lab	47.0586, 42.7482, -54.7053

Details

The Yxy color **22.1451, 0.2645, 0.1776** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.2437, 0.3386, 0.4867**, and the grayscale version is **23.1881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5238, 0.2917, 0.2212**, and **8.0732, 0.2446, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **17.5388, 0.2528, 0.1517**, and if you desaturate by 10%, it is **27.9566, 0.2756, 0.2058**.

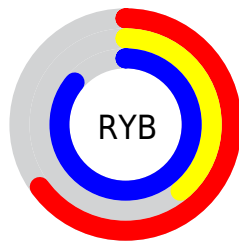
Distribution



Red (65%)

Green (39%)

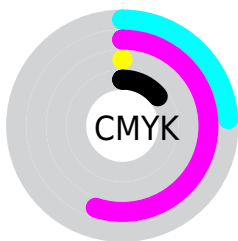
Blue (86%)



Red (65%)

Yellow (39%)

Blue (86%)

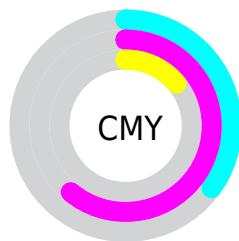


Cyan (24%)

Magenta (55%)

Yellow (0%)

Black (14%)



Cyan (35%)


Magenta (61%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1451, 0.2645, 0.1776 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 22.1451, 0.2645, 0.1776 by changing the saturation by 10% instead.


 22.1451, 0.2645,
0.1776


 22.1451, 0.2645,
0.1776


263.3031, 0.2931,
0.2512


 13.9636, 0.2562,
0.1606


 46.9857, 0.2758,
0.2034


 8.0953, 0.2450,
0.1399


 64.4135, 0.2798,
0.2134

 4.1560, 0.2292,
0.1145


 85.6923, 0.2831,
0.2220

 1.7612, 0.2063,
0.0834

 111.2063, 0.2858,
0.2294

 0.4628, 0.1726,
0.0419

141.3400, 0.2880,
0.2359

 0.0000, 0.1157,
0.0000

176.4778, 0.2900,

 0.0000, 0.0000,

0.2416

0.0000

217.0040, 0.2916,
0.2467

■ 22.1451, 0.2645,
0.1776

■ 22.1451, 0.2645,
0.1776

■ 17.5388, 0.2528,
0.1517

■ 27.9566, 0.2756,
0.2058

■ 14.0400, 0.2408,
0.1293

■ 35.0553, 0.2859,
0.2348

■ 11.5397, 0.2293,
0.1118

■ 43.5187, 0.2950,
0.2636

■ 9.9037, 0.2185,
0.0996

■ 53.4174, 0.3030,
0.2913

■ 9.2785, 0.2132,
0.0948

■ 64.8170, 0.3098,
0.3172

■ 77.7789, 0.3156,
0.3412

■ 92.3612, 0.3204,
0.3630

■ 95.7559, 0.3264,
0.3649

■ 97.5248, 0.3327,
0.3642

Harmonies

Analogous

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



22.1451, 0.1767, 0.1582



22.1451, 0.2645, 0.1776



22.1451, 0.3907, 0.2239

Triad

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



22.1451, 0.2645, 0.1776



22.1451, 0.5133, 0.4458



22.1451, 0.1440, 0.3287

Complementary

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



22.1451, 0.2645, 0.1776



58.2437, 0.3386, 0.4867

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.



22.1451, 0.2134, 0.4814



22.1451, 0.2645, 0.1776



22.1451, 0.4244, 0.5293

Square

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



22.1451, 0.2645, 0.1776



22.1451, 0.5526, 0.3635



22.1451, 0.3168, 0.5653



22.1451, 0.1195, 0.2195

Rectangle

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



22.1451, 0.2645, 0.1776



22.1451, 0.4750, 0.2662



22.1451, 0.3168, 0.5653



22.1451, 0.1619, 0.3785

Sweetspot

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



22.1460, 0.2645, 0.1776



73.4176, 0.3020, 0.2877



30.5480, 0.2234, 0.2327



15.0693, 0.3004, 0.2820



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.



22.1460, 0.2645, 0.1776



23.7776, 0.2507, 0.1474



28.7872, 0.3250, 0.2048



12.9741, 0.3068, 0.3055



5.5667, 0.2147, 0.0956



0.4114, 0.2313, 0.1048

Inverse Universe

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



26.2481, 0.4003, 0.2671



30.6005, 0.4306, 0.2581



54.3427, 0.3017, 0.4964



13.1465, 0.3223, 0.3187



9.4592, 0.5196, 0.2636



0.6300, 0.4792, 0.2413

Previews

White Background



This preview shows how the Yxy color 22.1451, 0.2645, 0.1776 looks on a white background.

Color Contrast Check

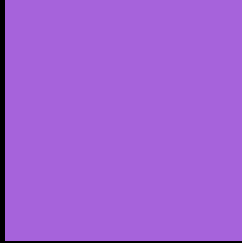
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1451, 0.2645, 0.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

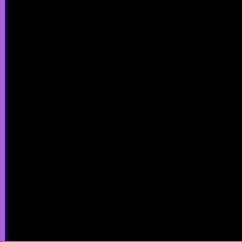
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1451, 0.2645, 0.1776

Background



This preview shows how black text looks on a background with the Yxy color 22.1451, 0.2645, 0.1776.



This preview shows how white text looks on a background with the Yxy color 22.1451, 0.2645, 0.1776.

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

22.1451, 0.2645, 0.1776

Protanopia

22.6043, 0.1888, 0.1638

Deuteranopia

22.3471, 0.2069, 0.2005



Tritanopia

22.1371, 0.3381, 0.3142

Trichromacy



Original Color

22.1451, 0.2645, 0.1776



Protanomaly

21.3136, 0.2056, 0.1638



Deuteranomaly

21.3512, 0.2216, 0.1879



Tritanomaly

21.7469, 0.3079, 0.2542

Monochromacy



Original Color

22.1451, 0.2645, 0.1776



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.3748, 0.2942, 0.2611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1451, 0.2645, 0.1776 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(166, 99, 219)` looks like.

```
.text, #text, p{  
    color:rgb(166, 99, 219)  
}
```

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(166, 99, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 99, 219) }
```

Border

The CSS property to change the border of an element to Yxy 22.1451, 0.2645, 0.1776 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(166, 99, 219) }
```

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

```
.border{ border-color:rgb(166, 99, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 99, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 99, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 99, 219);  
box-shadow:4px 4px 4px 4px rgb(166, 99,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1451, 0.2645, 0.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 99, 219) }
```

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

```
.background{ background-color: rgb(166, 99,  
219) }
```

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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