

Converting Colors

$Y_{xy}(22.8771, 0.2957, 0.2145)$

Have a look what the booklet for
Yxy(22.8771, 0.2957, 0.2145)
contains.

Yxy(22.7276, 0.2955, 0.2142)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7276, 0.2955, 0.2142)

Conversions

Conversions Part 1

Format	Color
Hex	AB6ABF
RGB	171, 106, 191
RGB Percent	67%, 42%, 75%
CMY	0.3294, 0.5843, 0.2510
CMYK	0.10, 0.45, 0.00, 0.25
HSL	286°, 40%, 58%
HSV	286°, 45%, 75%
XYZ	31.3539, 22.7276, 52.0231
YIQ	135.1250, 11.4550, 40.2150

Conversions

Conversions Part 2

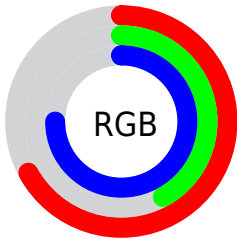
Format	Color
RYB	171, 106, 191
Decimal	11233983
CIELab	54.79, 40.35, -34.30
CIElCh	55, 52.957, 319.630
Yxy	22.7276, 0.2955, 0.2142
Android (android.graphics.Color)	4289424063 (0xFFAB6ABF)
YUV	135.1250, 27.5464, 31.4624
Hunter-Lab	47.6735, 33.9673, -31.3280

Details

The Yxy color **22.7276, 0.2955, 0.2142** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.7359, 0.3212, 0.4601**, and the grayscale version is **24.1706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0676, 0.3003, 0.2353**, and **8.4164, 0.2867, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **18.7249, 0.2900, 0.1896**, and if you desaturate by 10%, it is **27.6260, 0.3004, 0.2403**.

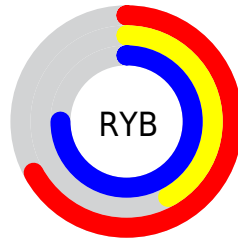
Distribution



Red (67%)

Green (42%)

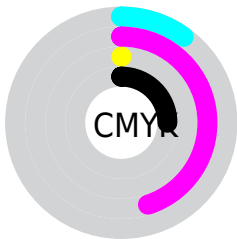
Blue (75%)



Red (67%)

Yellow (42%)

Blue (75%)

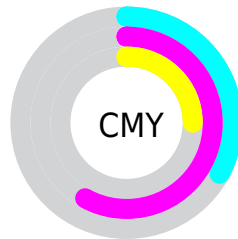


Cyan (10%)

Magenta (45%)

Yellow (0%)

Black (25%)



Cyan (33%)


Magenta (58%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7276, 0.2955, 0.2142 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 22.7276, 0.2955, 0.2142 by changing the saturation by 10% instead.


 22.7276, 0.2955,
0.2142

 22.7276, 0.2955,
0.2142


266.3228, 0.3068,
0.2724


 14.3925, 0.2917,
0.1997


 47.9457, 0.3003,
0.2354

 8.3942, 0.2863,
0.1814


 65.5974, 0.3019,
0.2433

 4.3482, 0.2781,
0.1574


 87.1235, 0.3031,
0.2500

 1.8702, 0.2646,
0.1256

 112.9083, 0.3041,
0.2558

 0.5304, 0.2420,
0.0769

143.3363, 0.3050,
0.2608

 0.0000, 0.1781,
0.0000

178.7917, 0.3057,

 0.0000, 0.0000,

0.2651

0.0000

219.6591, 0.3063,
0.2690

■ 22.7276, 0.2955,
0.2142

■ 22.7276, 0.2955,
0.2142

■ 18.7249, 0.2900,
0.1896

■ 27.6260, 0.3004,
0.2403

■ 15.5559, 0.2840,
0.1676

■ 33.4708, 0.3048,
0.2668

■ 13.1554, 0.2778,
0.1492


■ 40.3123, 0.3084,
0.2930


■ 11.4467, 0.2715,
0.1351

■ 48.1965, 0.3115,
0.3181

■ 10.3373, 0.2653,
0.1256


■ 57.1664, 0.3140,
0.3418

 9.8804, 0.2619,
0.1216

 67.2624, 0.3160,
0.3638

 78.5232, 0.3176,
0.3840

 88.5384, 0.3192,
0.3987

 89.1943, 0.3220,
0.3981

Harmonies

Analogous

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



22.7276, 0.2179, 0.1934



22.7276, 0.2955, 0.2142



22.7276, 0.3921, 0.2571

Triad

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



22.7276, 0.2955, 0.2142



22.7276, 0.4638, 0.4450



22.7276, 0.1742, 0.3131

Complementary

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



22.7276, 0.2955, 0.2142



42.7359, 0.3212, 0.4601

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.



22.7276, 0.2263, 0.4175



22.7276, 0.2955, 0.2142



22.7276, 0.3932, 0.4953

Square

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



22.7276, 0.2955, 0.2142



22.7276, 0.4965, 0.3795



22.7276, 0.3066, 0.4936



22.7276, 0.1571, 0.2364

Rectangle

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



22.7276, 0.2955, 0.2142



22.7276, 0.4496, 0.2945



22.7276, 0.3066, 0.4936



22.7276, 0.1876, 0.3466

Sweetspot

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



22.7286, 0.2955, 0.2142



73.9254, 0.3089, 0.2963



22.0687, 0.2359, 0.2266



15.5849, 0.3081, 0.2906



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.



22.7286, 0.2955, 0.2142



33.9654, 0.2904, 0.1912



24.2768, 0.3423, 0.2453



9.5802, 0.3101, 0.3061



6.5315, 0.2627, 0.1221



0.2838, 0.2774, 0.1302

Inverse Universe

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



22.8900, 0.4009, 0.3018



34.4965, 0.4306, 0.2969



41.8637, 0.2929, 0.4314



9.5722, 0.3252, 0.3236



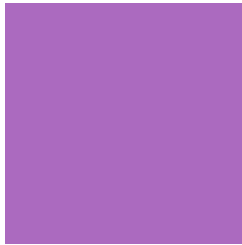
7.4139, 0.5948, 0.3050



0.3009, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 22.7276, 0.2955, 0.2142 looks on a white background.

Color Contrast Check

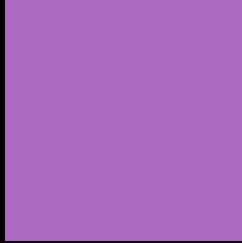
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7276, 0.2955, 0.2142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

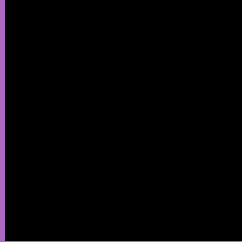
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7276, 0.2955, 0.2142

Background



This preview shows how black text looks on a background with the Yxy color 22.7276, 0.2955, 0.2142.



This preview shows how white text looks on a background with the Yxy color 22.7276, 0.2955, 0.2142.

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

22.7276, 0.2955, 0.2142

Protanopia

23.0630, 0.2210, 0.2061

Deuteranopia

22.8899, 0.2439, 0.2386



Tritanopia

22.6993, 0.3549, 0.3149

Trichromacy



Original Color

22.7276, 0.2955, 0.2142

Protanomaly

22.4222, 0.2426, 0.2074

Deuteranomaly

22.2921, 0.2600, 0.2265

Tritanomaly

22.5278, 0.3313, 0.2732

Monochromacy



Original Color

22.7276, 0.2955, 0.2142

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.0778, 0.3069, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7276, 0.2955, 0.2142 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(171, 106, 191)` looks like.

```
.text, #text, p{  
    color:rgb(171, 106, 191)  
}
```

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(171, 106, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 106, 191) }
```

Border

The CSS property to change the border of an element to Yxy 22.7276, 0.2955, 0.2142 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(171, 106, 191) }
```

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

```
.border{ border-color:rgb(171, 106, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 106, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 106, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 106, 191);  
box-shadow:4px 4px 4px 4px rgb(171, 106,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7276, 0.2955, 0.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 106, 191) }
```

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

```
.background{ background-color: rgb(171,  
106, 191) }
```

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