

Converting Colors

$Y_{xy}(22.3775, 0.3165, 0.2576)$

Have a look what the booklet for
Yxy(22.3775, 0.3165, 0.2576)
contains.

Yxy(22.3246, 0.3161, 0.2572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3246, 0.3161, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	A272A2
RGB	162, 114, 162
RGB Percent	64%, 45%, 64%
CMY	0.3647, 0.5529, 0.3648
CMYK	0.00, 0.30, 0.00, 0.36
HSL	300°, 21%, 54%
HSV	300°, 30%, 64%
XYZ	27.4370, 22.3246, 37.0370
YIQ	133.8240, 13.2000, 25.1040

Conversions

Conversions Part 2

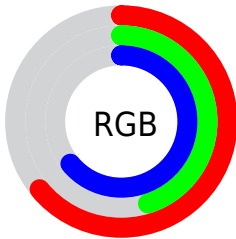
Format	Color
R _Y B	162, 114, 162
Decimal	10646178
CIE Lab	54.37, 27.13, -18.28
CIE LCh	54, 32.716, 326.022
Yxy	22.3246, 0.3161, 0.2572
Android (android.graphics.Color)	4288836258 (0xFFA272A2)
YUV	133.8240, 13.8908, 24.7104
Hunter-Lab	47.2489, 20.9678, -13.4014

Details

The Yxy color **22.3246, 0.3161, 0.2572** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.6325, 0.3088, 0.4130**, and the grayscale version is **23.7170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0339, 0.3154, 0.2709**, and **8.1576, 0.3154, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **18.9885, 0.3172, 0.2337**, and if you desaturate by 10%, it is **26.3099, 0.3150, 0.2816**.

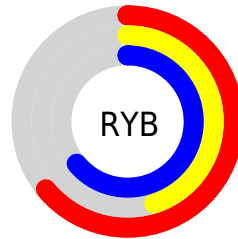
Distribution



Red (64%)

Green (45%)

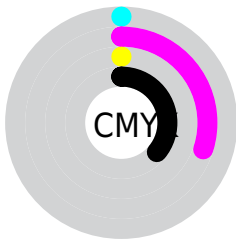
Blue (64%)



Red (64%)

Yellow (45%)

Blue (64%)

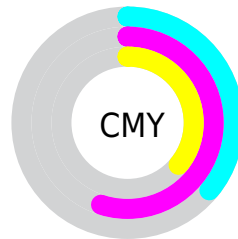


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3246, 0.3161, 0.2572 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 22.3246, 0.3161, 0.2572 by changing the saturation by 10% instead.


 22.3246, 0.3161,
0.2572

 22.3246, 0.3161,
0.2572


264.2368, 0.3150,
0.2953


 14.0956, 0.3161,
0.2470


 47.2819, 0.3159,
0.2716


 8.1872, 0.3158,
0.2334


 64.7790, 0.3158,
0.2768

 4.2150, 0.3150,
0.2146


 86.1343, 0.3156,
0.2812

 1.7945, 0.3128,
0.1870

 111.7321, 0.3155,
0.2849

 0.4838, 0.3110,
0.1304

141.9568, 0.3154,
0.2880

 0.0000, 0.1043,
0.0000

177.1929, 0.3153,

 0.0000, 0.0000,

0.2908

0.0000

217.8248, 0.3152,
0.2932

■ 22.3246, 0.3161,
0.2572

■ 22.3246, 0.3161,
0.2572

■ 18.9885, 0.3172,
0.2337

■ 26.3099, 0.3150,
0.2816

■ 16.2645, 0.3182,
0.2121

■ 30.9730, 0.3138,
0.3060

■ 14.1163, 0.3191,
0.1931

■ 36.3447, 0.3127,
0.3299

■ 12.5026, 0.3199,
0.1775

■ 42.4525, 0.3116,
0.3527

■ 11.3765, 0.3204,
0.1660

■ 49.3229, 0.3106,
0.3742

■ 10.6831, 0.3208,
0.1585

■ 56.9810, 0.3097,
0.3941

■ 10.3011, 0.3210,
0.1543

■ 65.4504, 0.3088,
0.4124

■ 10.2878, 0.3210,
0.1542

■ 74.7543, 0.3080,
0.4291

■ 81.8103, 0.3075,
0.4399

Harmonies

Analogous

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



22.3246, 0.2612, 0.2393



22.3246, 0.3161, 0.2572



22.3246, 0.3752, 0.2905

Triad

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



22.3246, 0.3161, 0.2572



22.3246, 0.4054, 0.4171



22.3246, 0.2172, 0.3103

Complementary

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



22.3246, 0.3161, 0.2572



30.6325, 0.3088, 0.4130

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.



22.3246, 0.2498, 0.3698



22.3246, 0.3161, 0.2572



22.3246, 0.3580, 0.4356

Square

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



22.3246, 0.3161, 0.2572



22.3246, 0.4287, 0.3784



22.3246, 0.3009, 0.4194



22.3246, 0.2085, 0.2643

Rectangle

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



22.3246, 0.3161, 0.2572



22.3246, 0.4068, 0.3184



22.3246, 0.3009, 0.4194



22.3246, 0.2255, 0.3295

Sweetspot

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



22.3256, 0.3161, 0.2572



56.6446, 0.3137, 0.3071



18.2231, 0.2619, 0.2450



12.4376, 0.3139, 0.3037



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.3256, 0.3161, 0.2572



36.1353, 0.3169, 0.2405



21.5526, 0.3450, 0.2916



7.2022, 0.3138, 0.3069



8.1055, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Inverse Universe

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



22.3256, 0.3161, 0.2572



36.1353, 0.3169, 0.2405



31.2521, 0.2894, 0.3699



7.2022, 0.3138, 0.3069



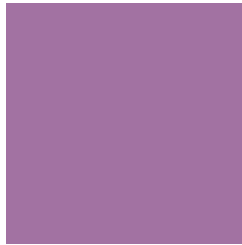
8.1055, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.3246, 0.3161, 0.2572 looks on a white background.

Color Contrast Check

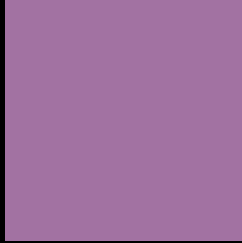
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3246, 0.3161, 0.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

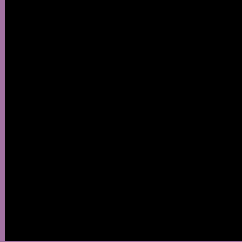
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3246, 0.3161, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 22.3246, 0.3161, 0.2572.



This preview shows how white text looks on a background with the Yxy color 22.3246, 0.3161, 0.2572.

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

22.3246, 0.3161, 0.2572

Protanopia

22.5692, 0.2595, 0.2561

Deuteranopia

22.5307, 0.2812, 0.2769



Tritanopia

22.3137, 0.3486, 0.3131

Trichromacy



Original Color

22.3246, 0.3161, 0.2572

Protanomaly

22.3482, 0.2778, 0.2565

Deuteranomaly

22.2794, 0.2928, 0.2691

Tritanomaly

22.2808, 0.3355, 0.2913

Monochromacy



Original Color

22.3246, 0.3161, 0.2572

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.1217, 0.3140, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3246, 0.3161, 0.2572 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(162, 114, 162)` looks like.

```
.text, #text, p{  
    color:rgb(162, 114, 162)  
}
```

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(162, 114, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 114, 162) }
```

Border

The CSS property to change the border of an element to Yxy 22.3246, 0.3161, 0.2572 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(162, 114, 162) }
```

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

```
.border{ border-color:rgb(162, 114, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 114, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 114, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 114, 162);  
box-shadow:4px 4px 4px 4px rgb(162, 114,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3246, 0.3161, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 114, 162) }
```

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

```
.background{ background-color: rgb(162,  
114, 162) }
```

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