

Converting Colors

$Y_{xy}(22.6075, 0.3162, 0.2550)$

Have a look what the booklet for
Yxy(22.6075, 0.3162, 0.2550)
contains.

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Color

Yxy(22.6075, 0.3162, 0.2550)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A472A4 |
| RGB | 164, 114, 164 |
| RGB Percent | 64%, 45%, 64% |
| CMY | 0.3568, 0.5530, 0.3568 |
| CMYK | 0.00, 0.31, 0.00, 0.36 |
| HSL | 300°, 22%, 55% |
| HSV | 300°, 31%, 64% |
| XYZ | 28.0333, 22.6075, 38.0161 |
| YIQ | 134.6500, 13.7500, 26.1500 |

Conversions

Conversions Part 2

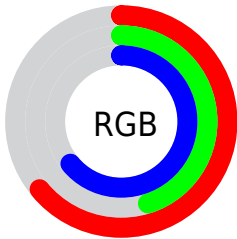
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 164, 114, 164 |
| Decimal | 10777252 |
| CIE Lab | 54.67, 28.23, -18.99 |
| CIE LCh | 55, 34.026, 326.067 |
| Yxy | 22.6075, 0.3162, 0.2550 |
| Android (android.graphics.Color) | 4288967332 (0xFFA472A4) |
| YUV | 134.6500, 14.4695, 25.7399 |
| Hunter-Lab | 47.5473, 22.0334, -14.1217 |

Details

The Yxy color **22.6075, 0.3162, 0.2550** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.3524, 0.3086, 0.4161**, and the grayscale version is **24.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9676, 0.3163, 0.2704**, and **8.3300, 0.3155, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **19.2344, 0.3173, 0.2316**, and if you desaturate by 10%, it is **26.6461, 0.3151, 0.2793**.

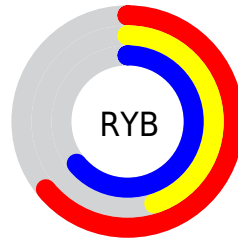
Distribution



Red (64%)

Green (45%)

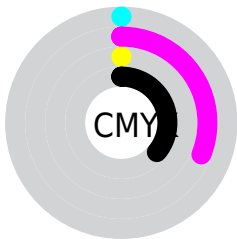
Blue (64%)



Red (64%)

Yellow (45%)

Blue (64%)

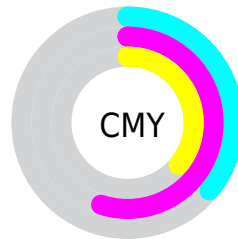


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (36%)


Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6075, 0.3162, 0.2550 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 22.6075, 0.3162, 0.2550 by changing the saturation by 10% instead.


 22.6075, 0.3162,
0.2550


 22.6075, 0.3162,
0.2550


265.7026, 0.3151,
0.2941


 14.3040, 0.3162,
0.2446


 47.7480, 0.3160,
0.2697

 8.3324, 0.3159,
0.2308


 65.3538, 0.3159,
0.2751

 4.3084, 0.3150,
0.2117


 86.8291, 0.3158,
0.2796

 1.8475, 0.3127,
0.1841

 112.5584, 0.3156,
0.2834

 0.5165, 0.3098,
0.1304

142.9260, 0.3155,
0.2866

 0.0000, 0.1573,
0.0000

178.3163, 0.3154,

 0.0000, 0.0000,

0.2895

0.0000

219.1137, 0.3153,
0.2919

■ 22.6075, 0.3162,
0.2550

■ 22.6075, 0.3162,
0.2550

■ 19.2344, 0.3173,
0.2316

■ 26.6461, 0.3151,
0.2793

■ 16.4883, 0.3183,
0.2102

■ 31.3802, 0.3139,
0.3038

■ 14.3315, 0.3192,
0.1914


■ 36.8412, 0.3128,
0.3278

■ 12.7209, 0.3199,
0.1763


■ 43.0580, 0.3117,
0.3508

■ 11.6075, 0.3204,
0.1651

■ 50.0580, 0.3107,
0.3724

 10.9337, 0.3208,
0.1580

 57.8670, 0.3097,
0.3925

 10.5756, 0.3210,
0.1542

 66.5097, 0.3089,
0.4110

 76.0099, 0.3081,
0.4278

 82.0975, 0.3076,
0.4371

Harmonies

Analogous

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



22.6075, 0.2595, 0.2365



22.6075, 0.3162, 0.2550



22.6075, 0.3774, 0.2892

Triad

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



22.6075, 0.3162, 0.2550



22.6075, 0.4084, 0.4199



22.6075, 0.2141, 0.3093

Complementary

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



22.6075, 0.3162, 0.2550



31.3524, 0.3086, 0.4161

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.



22.6075, 0.2475, 0.3712



22.6075, 0.3162, 0.2550



22.6075, 0.3592, 0.4396

Square

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



22.6075, 0.3162, 0.2550



22.6075, 0.4328, 0.3797



22.6075, 0.3002, 0.4229



22.6075, 0.2052, 0.2619

Rectangle

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



22.6075, 0.3162, 0.2550



22.6075, 0.4102, 0.3179



22.6075, 0.3002, 0.4229



22.6075, 0.2226, 0.3292

Sweetspot

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



22.6085, 0.3162, 0.2550



58.1866, 0.3137, 0.3071



18.2900, 0.2601, 0.2420



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.



22.6085, 0.3162, 0.2550



36.5036, 0.3170, 0.2381



21.7918, 0.3463, 0.2904



7.2022, 0.3138, 0.3069



8.1058, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Inverse Universe

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



22.6085, 0.3162, 0.2550



36.5036, 0.3170, 0.2381



32.0018, 0.2887, 0.3714



7.2022, 0.3138, 0.3069



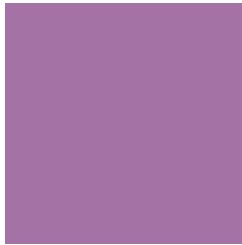
8.1058, 0.3210, 0.1542



0.1703, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.6075, 0.3162, 0.2550 looks on a white background.

Color Contrast Check

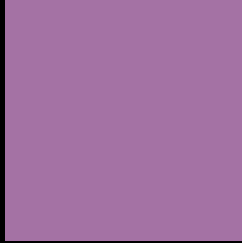
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6075, 0.3162, 0.2550 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 22.6075, 0.3162, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 22.6075, 0.3162, 0.2550.



This preview shows how white text looks on a background with the Yxy color 22.6075, 0.3162, 0.2550.

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

22.6075, 0.3162, 0.2550

Protanopia

22.6472, 0.2579, 0.2533

Deuteranopia

22.6787, 0.2804, 0.2740



Tritanopia

22.6574, 0.3496, 0.3147

Trichromacy



Original Color

22.6075, 0.3162, 0.2550

Protanomaly

22.5065, 0.2770, 0.2539

Deuteranomaly

22.5253, 0.2930, 0.2665

Tritanomaly

22.4869, 0.3380, 0.2916

Monochromacy



Original Color

22.6075, 0.3162, 0.2550

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.3651, 0.3142, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6075, 0.3162, 0.2550 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(164, 114, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 114, 164)  
}
```

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(164, 114, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 114, 164) }
```

Border

The CSS property to change the border of an element to Yxy 22.6075, 0.3162, 0.2550 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(164, 114, 164) }
```

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

```
.border{ border-color:rgb(164, 114, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 114, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 114, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 114, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 114,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6075, 0.3162, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 114, 164) }
```

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

```
.background{ background-color: rgb(164,  
114, 164) }
```

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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