

Converting Colors

$Y_{xy}(22.2357, 0.3266, 0.2686)$

Have a look what the booklet for
Yxy(22.2357, 0.3266, 0.2686)
contains.

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Color

Yxy(22.1543, 0.3266, 0.2684)

Conversions

Conversions Part 1

Format	Color
Hex	A3729A
RGB	163, 114, 154
RGB Percent	64%, 45%, 60%
CMY	0.3607, 0.5530, 0.3961
CMYK	0.00, 0.30, 0.06, 0.36
HSL	311°, 21%, 54%
HSV	311°, 30%, 64%
XYZ	26.9583, 22.1543, 33.4296
YIQ	133.2110, 16.3640, 22.8280

Conversions

Conversions Part 2

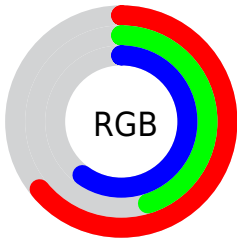
Format	Color
R _Y B	163, 114, 154
Decimal	10711706
CIE Lab	54.19, 25.97, -13.91
CIE LCh	54, 29.458, 331.833
Yxy	22.1543, 0.3266, 0.2684
Android (android.graphics.Color)	4288901786 (0xFFA3729A)
YUV	133.2110, 10.2490, 26.1250
Hunter-Lab	47.0684, 19.8657, -9.1619

Details

The Yxy color $22.1543, 0.3266, 0.2684$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.2102, 0.3014, 0.3984$, and the grayscale version is $23.4947, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8866, 0.3248, 0.2808$, and $8.0749, 0.3297, 0.2472$ is the 20% darker color. If you saturate the color by 10%, you get $18.7012, 0.3324, 0.2483$, and if you desaturate by 10%, it is $26.2674, 0.3214, 0.2889$.

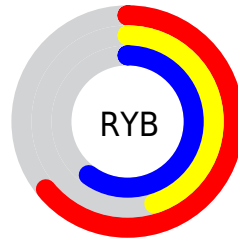
Distribution



Red (64%)

Green (45%)

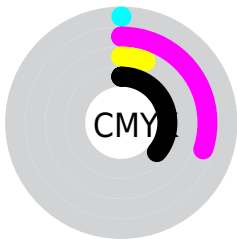
Blue (60%)



Red (64%)

Yellow (45%)

Blue (60%)

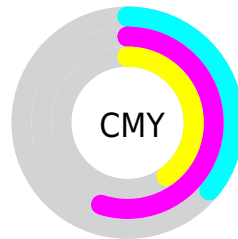


Cyan (0%)

Magenta (30%)

Yellow (6%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1543, 0.3266, 0.2684 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 22.1543, 0.3266, 0.2684 by changing the saturation by 10% instead.


 22.1543, 0.3266,
0.2684


 22.1543, 0.3266,
0.2684


263.3510, 0.3195,
0.3009


 13.9703, 0.3284,
0.2595


 47.0009, 0.3240,
0.2808

 8.1000, 0.3307,
0.2476


 64.4323, 0.3230,
0.2852

 4.1590, 0.3338,
0.2310


 85.7150, 0.3222,
0.2889

 1.7629, 0.3379,
0.2059

 111.2333, 0.3215,
0.2921

 0.4639, 0.3500,
0.1480

141.3716, 0.3209,
0.2948

 0.0000, 0.0769,
0.0000

176.5145, 0.3204,

 0.0000, 0.0000,

0.2971

0.0000

217.0461, 0.3199,
0.2991

■ 22.1543, 0.3266,
0.2684

■ 22.1543, 0.3266,
0.2684

■ 18.7012, 0.3324,
0.2483

■ 26.2674, 0.3214,
0.2889

■ 15.8701, 0.3388,
0.2295

■ 31.0696, 0.3168,
0.3092

■ 13.6241, 0.3456,
0.2129


■ 36.5922, 0.3127,
0.3289

■ 11.9209, 0.3526,
0.1994


■ 42.8635, 0.3093,
0.3475


■ 10.7127, 0.3597,
0.1898

■ 49.9103, 0.3063,
0.3649

 9.9430, 0.3665,
0.1846

 57.7580, 0.3038,
0.3811

 9.4837, 0.3731,
0.1829

 66.4310, 0.3017,
0.3960

 75.9526, 0.3000,
0.4096

 82.6450, 0.2984,
0.4166

Harmonies

Analogous

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



22.1543, 0.2749, 0.2489



22.1543, 0.3266, 0.2684



22.1543, 0.3783, 0.3013

Triad

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



22.1543, 0.3266, 0.2684



22.1543, 0.3902, 0.4144



22.1543, 0.2224, 0.3032

Complementary

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



22.1543, 0.3266, 0.2684



31.2102, 0.3014, 0.3984

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.



22.1543, 0.2485, 0.3554



22.1543, 0.3266, 0.2684



22.1543, 0.3446, 0.4247

Square

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



22.1543, 0.3266, 0.2684



22.1543, 0.4159, 0.3824



22.1543, 0.2927, 0.4030



22.1543, 0.2186, 0.2648

Rectangle

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



22.1543, 0.3266, 0.2684



22.1543, 0.4038, 0.3277



22.1543, 0.2927, 0.4030



22.1543, 0.2287, 0.3197

Sweetspot

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



22.1553, 0.3266, 0.2684



56.4703, 0.3164, 0.3110



18.8877, 0.2704, 0.2456



12.3926, 0.3170, 0.3083



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.



22.1553, 0.3266, 0.2684



35.4610, 0.3304, 0.2551



21.4208, 0.3573, 0.3047



7.1797, 0.3164, 0.3108



7.3743, 0.3726, 0.1826



0.1604, 0.3510, 0.1707

Inverse Universe

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



22.1553, 0.3266, 0.2684



35.4610, 0.3304, 0.2551



31.9022, 0.2820, 0.3549



7.1797, 0.3164, 0.3108



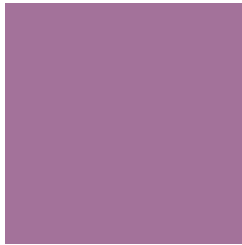
7.3743, 0.3726, 0.1826



0.1604, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 22.1543, 0.3266, 0.2684 looks on a white background.

Color Contrast Check

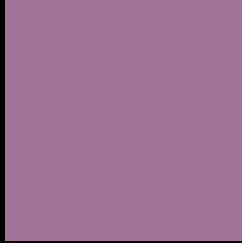
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1543, 0.3266, 0.2684 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 22.1543, 0.3266, 0.2684

Background



This preview shows how black text looks on a background with the Yxy color 22.1543, 0.3266, 0.2684.



This preview shows how white text looks on a background with the Yxy color 22.1543, 0.3266, 0.2684.

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

22.1543, 0.3266, 0.2684

Protanopia

22.4458, 0.2698, 0.2699

Deuteranopia

22.3513, 0.2922, 0.2868



Tritanopia

22.2257, 0.3539, 0.3148

Trichromacy



Original Color

22.1543, 0.3266, 0.2684

Protanomaly

22.1876, 0.2884, 0.2700

Deuteranomaly

22.0586, 0.3034, 0.2784

Tritanomaly

22.1058, 0.3444, 0.2977

Monochromacy



Original Color

22.1543, 0.3266, 0.2684

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.7741, 0.3174, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1543, 0.3266, 0.2684 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(163, 114, 154)` looks like.

```
.text, #text, p{  
    color:rgb(163, 114, 154)  
}
```

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(163, 114, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 114, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.1543, 0.3266, 0.2684 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(163, 114, 154) }
```

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

```
.border{ border-color:rgb(163, 114, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 114, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 114, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 114, 154);  
box-shadow:4px 4px 4px 4px rgb(163, 114,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1543, 0.3266, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 114, 154) }
```

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

```
.background{ background-color: rgb(163,  
114, 154) }
```

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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