

Converting Colors

$Y_{xy}(22.4106, 0.3281, 0.2686)$

Have a look what the booklet for
Yxy(22.4106, 0.3281, 0.2686)
contains.

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Color

Yxy(22.3671, 0.3290, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	A5729A
RGB	165, 114, 154
RGB Percent	65%, 45%, 60%
CMY	0.3530, 0.5529, 0.3961
CMYK	0.00, 0.31, 0.07, 0.35
HSL	313°, 22%, 55%
HSV	313°, 31%, 65%
XYZ	27.3662, 22.3671, 33.4467
YIQ	133.8090, 17.5560, 23.2520

Conversions

Conversions Part 2

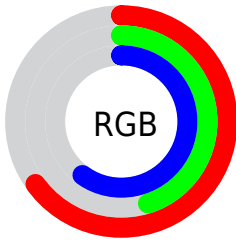
Format	Color
R_{YB}	165, 114, 154
Decimal	10842778
CIE _{Lab}	54.41, 26.65, -13.54
CIE _{LCh}	54, 29.896, 333.065
Yxy	22.3671, 0.3290, 0.2689
Android (android.graphics.Color)	4289032858 (0xFFA5729A)
YUV	133.8090, 9.9542, 27.3545
Hunter-Lab	47.2939, 20.5233, -8.8247

Details

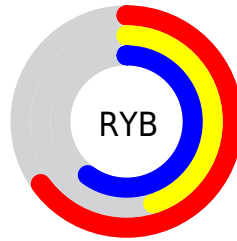
The Yxy color $22.3671, 0.3290, 0.2689$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.9671, 0.2998, 0.3978$, and the grayscale version is $23.7250, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.5637, 0.3265, 0.2822$, and $8.2046, 0.3334, 0.2482$ is the 20% darker color. If you saturate the color by 10%, you get $18.8586, 0.3358, 0.2495$, and if you desaturate by 10%, it is $26.5526, 0.3230, 0.2887$.

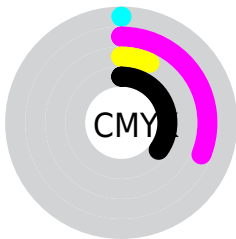
Distribution



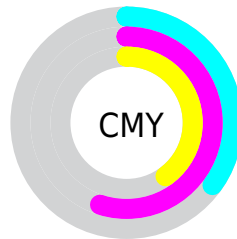
- Red (65%)
- Green (45%)
- Blue (60%)



- Red (65%)
- Yellow (45%)
- Blue (60%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3671, 0.3290, 0.2689 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 22.3671, 0.3290, 0.2689 by changing the saturation by 10% instead.


 22.3671, 0.3290,
0.2689


 22.3671, 0.3290,
0.2689


264.4574, 0.3205,
0.3011


 14.1269, 0.3312,
0.2601


 47.3520, 0.3259,
0.2811

 8.2090, 0.3340,
0.2484


 64.8655, 0.3247,
0.2856

 4.2290, 0.3379,
0.2319


 86.2388, 0.3237,
0.2892

 1.8024, 0.3432,
0.2073

 111.8564, 0.3229,
0.2923

 0.4887, 0.3569,
0.1522

142.1027, 0.3222,
0.2950

 0.0000, 0.1870,
0.0000

177.3620, 0.3216,

 0.0000, 0.0000,

0.2973

0.0000

218.0188, 0.3210,
0.2993

■ 22.3671, 0.3290,
0.2689

■ 22.3671, 0.3290,
0.2689

■ 18.8586, 0.3358,
0.2495

■ 26.5526, 0.3230,
0.2887

■ 15.9878, 0.3432,
0.2314

■ 31.4454, 0.3177,
0.3084

■ 13.7163, 0.3512,
0.2155


■ 37.0778, 0.3131,
0.3273

■ 12.0001, 0.3596,
0.2027


■ 43.4791, 0.3092,
0.3453

■ 10.7892, 0.3680,
0.1939

■ 50.6771, 0.3059,
0.3622

 10.0246, 0.3763,
0.1896

 58.6981, 0.3030,
0.3778

 9.5949, 0.3837,
0.1887

 67.5673, 0.3007,
0.3922

 77.3087, 0.2987,
0.4054

 83.0649, 0.2969,
0.4101

Harmonies

Analogous

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



22.3671, 0.2764, 0.2485



22.3671, 0.3290, 0.2689



22.3671, 0.3810, 0.3025

Triad

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



22.3671, 0.3290, 0.2689



22.3671, 0.3894, 0.4162



22.3671, 0.2209, 0.3009

Complementary

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



22.3671, 0.3290, 0.2689



31.9671, 0.2998, 0.3978

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.



22.3671, 0.2463, 0.3535



22.3671, 0.3290, 0.2689



22.3671, 0.3427, 0.4256

Square

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



22.3671, 0.3290, 0.2689



22.3671, 0.4165, 0.3845



22.3671, 0.2903, 0.4024



22.3671, 0.2179, 0.2629

Rectangle

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



22.3671, 0.3290, 0.2689



22.3671, 0.4061, 0.3294



22.3671, 0.2903, 0.4024



22.3671, 0.2269, 0.3174

Sweetspot

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



22.3681, 0.3290, 0.2689



57.9768, 0.3168, 0.3117



19.0530, 0.2699, 0.2431



12.3849, 0.3175, 0.3090



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.



22.3681, 0.3290, 0.2689



35.6754, 0.3335, 0.2557



21.6281, 0.3602, 0.3053



7.1759, 0.3169, 0.3115



7.2667, 0.3829, 0.1883



0.1589, 0.3567, 0.1739

Inverse Universe

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



22.3681, 0.3290, 0.2689



35.6754, 0.3335, 0.2557



32.6787, 0.2806, 0.3543



7.1759, 0.3169, 0.3115



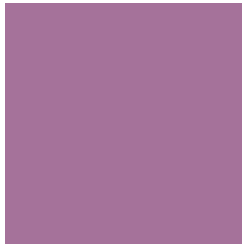
7.2667, 0.3829, 0.1883



0.1589, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 22.3671, 0.3290, 0.2689 looks on a white background.

Color Contrast Check

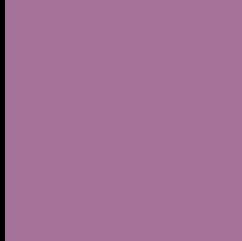
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3671, 0.3290, 0.2689 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 22.3671, 0.3290, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 22.3671, 0.3290, 0.2689.



This preview shows how white text looks on a background with the Yxy color 22.3671, 0.3290, 0.2689.

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

22.3671, 0.3290, 0.2689

Protanopia

22.5184, 0.2708, 0.2701

Deuteranopia

22.4323, 0.2933, 0.2869



Tritanopia

22.4335, 0.3564, 0.3149

Trichromacy



Original Color

22.3671, 0.3290, 0.2689

Protanomaly

22.3566, 0.2906, 0.2703

Deuteranomaly

22.2387, 0.3057, 0.2788

Tritanomaly

22.3153, 0.3469, 0.2979

Monochromacy



Original Color

22.3671, 0.3290, 0.2689

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.1216, 0.3185, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3671, 0.3290, 0.2689 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(165, 114, 154)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 114, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 114, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.3671, 0.3290, 0.2689 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(165, 114, 154) }
```

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

```
.border{ border-color:rgb(165, 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(165, 114, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 114, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 114, 154);  
box-shadow:4px 4px 4px 4px rgb(165, 114,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3671, 0.3290, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 114, 154) }
```

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

```
.background{ background-color: rgb(165,  
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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