

Converting Colors

$Y_{xy}(19.9196, 0.3562, 0.2726)$

Have a look what the booklet for
Yxy(19.9196, 0.3562, 0.2726)
contains.

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Color

Yxy(19.9422, 0.3556, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	AA668C
RGB	170, 102, 140
RGB Percent	67%, 40%, 55%
CMY	0.3333, 0.6000, 0.4510
CMYK	0.00, 0.40, 0.18, 0.33
HSL	326°, 29%, 53%
HSV	326°, 40%, 67%
XYZ	26.0619, 19.9422, 27.2859
YIQ	126.6640, 28.3300, 26.2340

Conversions

Conversions Part 2

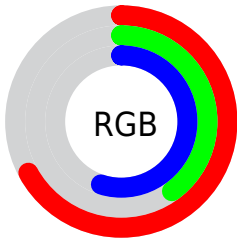
Format	Color
R_{YB}	170, 102, 140
Decimal	11167372
CIE Lab	51.77, 32.71, -9.24
CIE LCh	52, 33.994, 344.220
Yxy	19.9422, 0.3556, 0.2721
Android (android.graphics.Color)	4289357452 (0xFFAA668C)
YUV	126.6640, 6.5746, 38.0057
Hunter-Lab	44.6567, 26.0245, -4.9673

Details

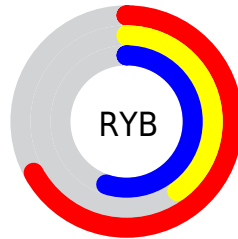
The Yxy color **19.9422, 0.3556, 0.2721** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.2397, 0.2851, 0.3946**, and the grayscale version is **21.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3371, 0.3464, 0.2834**, and **6.9974, 0.3713, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **16.7234, 0.3712, 0.2584**, and if you desaturate by 10%, it is **23.8631, 0.3421, 0.2866**.

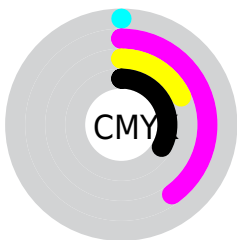
Distribution



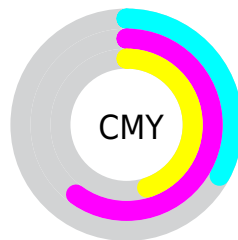
- Red (67%)
- Green (40%)
- Blue (55%)



- Red (67%)
- Yellow (40%)
- Blue (55%)



- Cyan (0%)
- Magenta (40%)
- Yellow (18%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9422, 0.3556, 0.2721 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 19.9422, 0.3556, 0.2721 by changing the saturation by 10% instead.


 19.9422, 0.3556,
0.2721


 19.9422, 0.3556,
0.2721


251.6020, 0.3318,
0.3032


 12.3530, 0.3625,
0.2633


 43.3203, 0.3463,
0.2841


 6.9846, 0.3719,
0.2514


 59.8779, 0.3430,
0.2884

 3.4525, 0.3857,
0.2343

 80.1939, 0.3403,
0.2919

 1.3723, 0.4078,
0.2079

 104.6526, 0.3381,
0.2949

 0.1961, 0.4847,
0.0957

133.6383, 0.3362,
0.2975

 0.0000, 0.0000,
0.0000

167.5356, 0.3345,

0.2996

206.7287, 0.3331,
0.3015

■ 19.9422, 0.3556,
0.2721

■ 19.9422, 0.3556,
0.2721

■ 16.7234, 0.3712,
0.2584

■ 23.8631, 0.3421,
0.2866

■ 14.1614, 0.3889,
0.2464

■ 28.5222, 0.3305,
0.3012

■ 12.2101, 0.4082,
0.2373


■ 33.9565, 0.3208,
0.3155

■ 10.8159, 0.4287,
0.2323


■ 40.1994, 0.3127,
0.3290

■ 9.9161, 0.4495,
0.2321

■ 47.2828, 0.3060,
0.3417

 9.3721, 0.4700,
0.2363

 55.2365, 0.3003,
0.3535

 9.3718, 0.4700,
0.2363

 64.0890, 0.2957,
0.3644

 73.8675, 0.2918,
0.3744

 84.5954, 0.2886,
0.3835

Harmonies

Analogous

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



19.9422, 0.2913, 0.2425



19.9422, 0.3556, 0.2721



19.9422, 0.4117, 0.3143

Triad

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



19.9422, 0.3556, 0.2721



19.9422, 0.3831, 0.4397



19.9422, 0.2018, 0.2757

Complementary

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



19.9422, 0.3556, 0.2721



33.2397, 0.2851, 0.3946

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.



19.9422, 0.2210, 0.3330



19.9422, 0.3556, 0.2721



19.9422, 0.3238, 0.4391

Square

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



19.9422, 0.3556, 0.2721



19.9422, 0.4259, 0.4082



19.9422, 0.2646, 0.3975



19.9422, 0.2082, 0.2412

Rectangle

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



19.9422, 0.3556, 0.2721



19.9422, 0.4334, 0.3461



19.9422, 0.2646, 0.3975



19.9422, 0.2053, 0.2926

Sweetspot

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



19.9431, 0.3556, 0.2721



59.2967, 0.3228, 0.3123



17.2690, 0.2716, 0.2188



12.9392, 0.3240, 0.3106



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.9431, 0.3556, 0.2721



30.9400, 0.3694, 0.2599



19.1016, 0.4042, 0.3223



7.6099, 0.3202, 0.3165



6.9056, 0.4679, 0.2351



0.1781, 0.4076, 0.2019

Inverse Universe

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



19.9431, 0.3556, 0.2721



30.9400, 0.3694, 0.2599



34.3071, 0.2616, 0.3362



7.6099, 0.3202, 0.3165



6.9056, 0.4679, 0.2351



0.1781, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 19.9422, 0.3556, 0.2721 looks on a white background.

Color Contrast Check

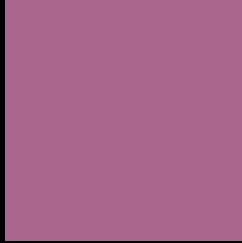
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9422, 0.3556, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

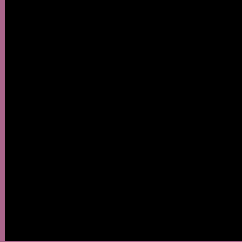
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9422, 0.3556, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 19.9422, 0.3556, 0.2721.



This preview shows how white text looks on a background with the Yxy color 19.9422, 0.3556, 0.2721.

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

19.9422, 0.3556, 0.2721

Protanopia

20.2120, 0.2728, 0.2741

Deuteranopia

19.9849, 0.3056, 0.2989



Tritanopia

19.9687, 0.3852, 0.3167

Trichromacy



Original Color

19.9422, 0.3556, 0.2721

Protanomaly

19.6656, 0.2996, 0.2714

Deuteranomaly

19.6650, 0.3236, 0.2871

Tritanomaly

19.8832, 0.3745, 0.2998

Monochromacy



Original Color

19.9422, 0.3556, 0.2721

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4624, 0.3277, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9422, 0.3556, 0.2721 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(170, 102, 140)` looks like.

```
.text, #text, p{  
    color:rgb(170, 102, 140)  
}
```

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(170, 102, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 102, 140) }
```

Border

The CSS property to change the border of an element to Yxy 19.9422, 0.3556, 0.2721 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(170, 102, 140) }
```

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

```
.border{ border-color:rgb(170, 102, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 102, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 102, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 102, 140);  
box-shadow:4px 4px 4px 4px rgb(170, 102,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9422, 0.3556, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 102, 140) }
```

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

```
.background{ background-color: rgb(170,  
102, 140) }
```

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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