

Converting Colors

$Y_{xy}(29.8730, 0.3218, 0.3121)$

Have a look what the booklet for
Yxy(29.8730, 0.3218, 0.3121)
contains.

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Color

Yxy(29.7980, 0.3220, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	A38F9B
RGB	163, 143, 155
RGB Percent	64%, 56%, 61%
CMY	0.3608, 0.4392, 0.3921
CMYK	0.00, 0.12, 0.05, 0.36
HSL	324°, 10%, 60%
HSV	324°, 12%, 64%
XYZ	30.8420, 29.7980, 35.1427
YIQ	150.3480, 8.0680, 7.9720

Conversions

Conversions Part 2

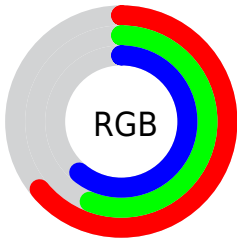
Format	Color
R_{YB}	163, 143, 155
Decimal	10719131
CIE _{Lab}	61.48, 9.62, -3.60
CIE _{LCh}	61, 10.277, 339.470
Yxy	29.7980, 0.3220, 0.3111
Android (android.graphics.Color)	4288909211 (0xFFA38F9B)
YUV	150.3480, 2.2934, 11.0958
Hunter-Lab	54.5875, 5.3245, 0.0412

Details

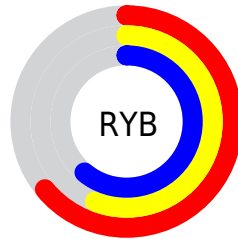
The Yxy color **29.7980, 0.3220, 0.3111** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2639, 0.3044, 0.3476**, and the grayscale version is **30.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4414, 0.3205, 0.3154**, and **12.2077, 0.3247, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **25.0431, 0.3312, 0.2958**, and if you desaturate by 10%, it is **35.2783, 0.3143, 0.3258**.

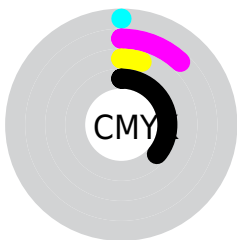
Distribution



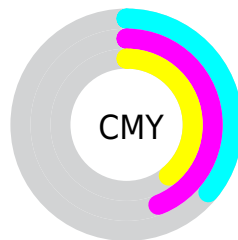
- Red (64%)
- Green (56%)
- Blue (61%)



- Red (64%)
- Yellow (56%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (5%)
- Black (36%)





- Cyan (36%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7980, 0.3220, 0.3111 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 29.7980, 0.3220, 0.3111 by changing the saturation by 10% instead.


 29.7980, 0.3220,
0.3111


 29.7980, 0.3220,
0.3111

300.9617, 0.3171,
0.3206

 19.6853, 0.3233,
0.3085


 59.3426, 0.3201,
0.3147

 12.1665, 0.3251,
0.3051


 79.5433, 0.3195,
0.3160

 6.8572, 0.3276,
0.3003


 103.8754, 0.3189,
0.3171

 3.3729, 0.3314,
0.2931

132.7234, 0.3184,
0.3180

 1.3294, 0.3377,
0.2810

166.4716, 0.3180,
0.3188

 0.1638, 0.3967,
0.1663

205.5045, 0.3177,

 0.0000, 0.0000,

0.3195

0.0000

250.2064, 0.3173,
0.3201

■ 29.7980, 0.3220,
0.3111

■ 29.7980, 0.3220,
0.3111

■ 25.0431, 0.3312,
0.2958

■ 35.2783, 0.3143,
0.3258

■ 20.9789, 0.3420,
0.2802

■ 41.5090, 0.3078,
0.3396

■ 17.5739, 0.3545,
0.2648

■ 48.5185, 0.3024,
0.3525

■ 14.7924, 0.3688,
0.2505

■ 56.3329, 0.2979,
0.3645

■ 12.5953, 0.3847,
0.2382

■ 64.9767, 0.2942,
0.3754

■ 10.9393, 0.4020,
0.2290

■ 74.4738, 0.2911,
0.3855

■ 9.7746, 0.4200,
0.2240

■ 83.5005, 0.2884,
0.3926

■ 9.0424, 0.4381,
0.2240

■ 83.8122, 0.2851,
0.3846

■ 8.6662, 0.4521,
0.2264

■ 84.1370, 0.2818,
0.3768

Harmonies

Analogous

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



29.7980, 0.3051, 0.3029



29.7980, 0.3220, 0.3111



29.7980, 0.3367, 0.3239

Triad

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



29.7980, 0.3220, 0.3111



29.7980, 0.3349, 0.3577



29.7980, 0.2816, 0.3184

Complementary

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



29.7980, 0.3220, 0.3111



34.2639, 0.3044, 0.3476

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.



29.7980, 0.2891, 0.3336



29.7980, 0.3220, 0.3111



29.7980, 0.3197, 0.3569

Square

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



29.7980, 0.3220, 0.3111



29.7980, 0.3442, 0.3507



29.7980, 0.3030, 0.3480



29.7980, 0.2821, 0.3066

Rectangle

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



29.7980, 0.3220, 0.3111



29.7980, 0.3431, 0.3335



29.7980, 0.3030, 0.3480



29.7980, 0.2832, 0.3233

Sweetspot

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



29.7993, 0.3220, 0.3111



61.3114, 0.3156, 0.3232



28.8383, 0.3014, 0.2984



13.6039, 0.3161, 0.3221



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.



29.7993, 0.3220, 0.3111



50.6710, 0.3246, 0.3065



29.4870, 0.3319, 0.3255



7.1541, 0.3195, 0.3156



6.7455, 0.4506, 0.2256



0.1507, 0.3929, 0.1938

Inverse Universe

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



29.7993, 0.3220, 0.3111



50.6710, 0.3246, 0.3065



34.5913, 0.2963, 0.3325



7.1541, 0.3195, 0.3156



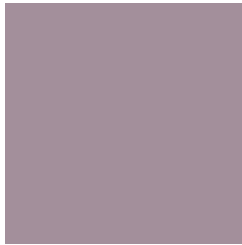
6.7455, 0.4506, 0.2256



0.1507, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 29.7980, 0.3220, 0.3111 looks on a white background.

Color Contrast Check

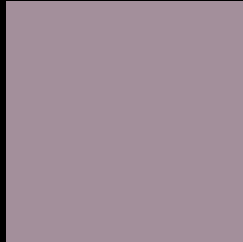
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7980, 0.3220, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

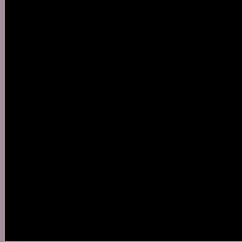
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7980, 0.3220, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 29.7980, 0.3220, 0.3111.



This preview shows how white text looks on a background with the Yxy color 29.7980, 0.3220, 0.3111.

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

29.7980, 0.3220, 0.3111

Protanopia

29.9443, 0.3033, 0.3135

Deuteranopia

29.7867, 0.3187, 0.3125



Tritanopia

29.7645, 0.3230, 0.3126

Trichromacy



Original Color

29.7980, 0.3220, 0.3111

Protanomaly

29.7644, 0.3094, 0.3121

Deuteranomaly

29.8901, 0.3198, 0.3125

Tritanomaly

29.7645, 0.3230, 0.3126

Monochromacy



Original Color

29.7980, 0.3220, 0.3111

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.1030, 0.3162, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7980, 0.3220, 0.3111 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, 143, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 143, 155)  
}
```

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, 143, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 143, 155) }
```

Border

The CSS property to change the border of an element to Yxy 29.7980, 0.3220, 0.3111 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, 143, 155) }
```

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

```
.border{ border-color:rgb(163, 143, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 143, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 143, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 143, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 143,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7980, 0.3220, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 143, 155) }
```

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

```
.background{ background-color: rgb(163,  
143, 155) }
```

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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