

Converting Colors

$Y_{xy}(30.0500, 0.3196, 0.3733)$

Have a look what the booklet for
Yxy(30.0500, 0.3196, 0.3733)
contains.

Yxy(29.9881, 0.3197, 0.3720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9881, 0.3197, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	899A80
RGB	137, 154, 128
RGB Percent	54%, 60%, 50%
CMY	0.4626, 0.3961, 0.4980
CMYK	0.11, 0.00, 0.17, 0.40
HSL	99°, 11%, 55%
HSV	99°, 17%, 60%
XYZ	25.7720, 29.9881, 24.8530
YIQ	145.9530, -1.7860, -11.6900

Conversions

Conversions Part 2

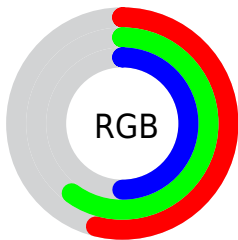
Format	Color
RYB	128, 154, 145
Decimal	9017984
CIELab	61.64, -11.05, 11.64
CIELCh	62, 16.050, 133.504
Yxy	29.9881, 0.3197, 0.3720
Android (android.graphics.Color)	4287208064 (0xFF899A80)
YUV	145.9530, -8.8508, -7.8518
Hunter-Lab	54.7614, -11.8260, 11.4247

Details

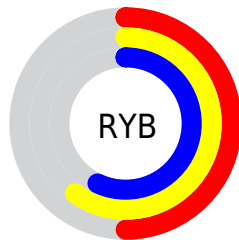
The Yxy color **29.9881, 0.3197, 0.3720** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.7895, 0.3045, 0.2872**, and the grayscale version is **28.7643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5243, 0.3187, 0.3622**, and **12.2912, 0.3214, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **28.8035, 0.3235, 0.4006**, and if you desaturate by 10%, it is **31.3160, 0.3156, 0.3457**.

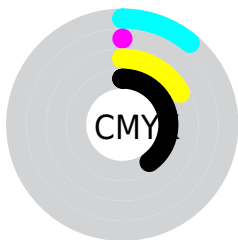
Distribution



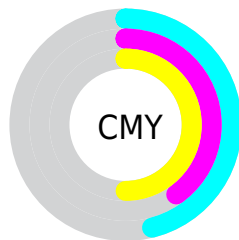
- Red (54%)
- Green (60%)
- Blue (50%)



- Red (50%)
- Yellow (60%)
- Blue (57%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)





- Cyan (46%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9881, 0.3197, 0.3720 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 29.9881, 0.3197, 0.3720 by changing the saturation by 10% instead.


 29.9881, 0.3197,
0.3720


 29.9881, 0.3197,
0.3720


301.8490, 0.3162,
0.3484


 19.8296, 0.3205,
0.3787


 59.6434, 0.3184,
0.3629

 12.2712, 0.3216,
0.3878


 79.9089, 0.3180,
0.3596

 6.9287, 0.3229,
0.4010


 104.3121, 0.3176,
0.3569

 3.4175, 0.3244,
0.4218

133.2376, 0.3172,
0.3547

 1.3534, 0.3308,
0.4661

167.0696, 0.3169,
0.3528

 0.1820, 0.0000,
1.0000

206.1926, 0.3167,

 0.0000, 0.0000,

0.3511

0.0000

250.9909, 0.3164,
0.3497

■ 29.9881, 0.3197,
0.3720

■ 29.9881, 0.3197,
0.3720

■ 28.8035, 0.3235,
0.4006

■ 31.3160, 0.3156,
0.3457

■ 27.7535, 0.3268,
0.4309

■ 32.7879, 0.3114,
0.3218

■ 26.8340, 0.3292,
0.4621

■ 34.4097, 0.3072,
0.3004

■ 26.0395, 0.3306,
0.4930

■ 36.1856, 0.3032,
0.2814

■ 25.3640, 0.3304,
0.5218

■ 38.1195, 0.2994,
0.2645

■ 24.8008, 0.3287,
0.5469

■ 40.2155, 0.2957,
0.2496

■ 24.3425, 0.3254,
0.5668

■ 42.4772, 0.2923,
0.2365

■ 23.9789, 0.3208,
0.5807

■ 44.9084, 0.2892,
0.2249

■ 23.8796, 0.3194,
0.5846

■ 46.7426, 0.2946,
0.2241

Harmonies

Analogous

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



29.9881, 0.3442, 0.3746



29.9881, 0.3197, 0.3720



29.9881, 0.2940, 0.3563

Triad

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



29.9881, 0.3197, 0.3720



29.9881, 0.2666, 0.2923



29.9881, 0.3527, 0.3237

Complementary

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



29.9881, 0.3197, 0.3720



23.7895, 0.3045, 0.2872

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.



29.9881, 0.3305, 0.3038



29.9881, 0.3197, 0.3720



29.9881, 0.2809, 0.2858

Square

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



29.9881, 0.3197, 0.3720



29.9881, 0.2641, 0.3090



29.9881, 0.3040, 0.2902



29.9881, 0.3639, 0.3455

Rectangle

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



29.9881, 0.3197, 0.3720



29.9881, 0.2797, 0.3409



29.9881, 0.3040, 0.2902



29.9881, 0.3462, 0.3166

Sweetspot

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



29.9894, 0.3197, 0.3720



57.3471, 0.3149, 0.3413



28.6482, 0.3396, 0.3559



12.9420, 0.3151, 0.3429



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.9894, 0.3197, 0.3720



53.6935, 0.3211, 0.3818



29.3628, 0.3071, 0.3664



7.0247, 0.3166, 0.3516



19.4748, 0.3200, 0.5842



0.3101, 0.3530, 0.5579

Inverse Universe

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



23.7895, 0.3045, 0.2872



40.4069, 0.3024, 0.2779



24.5142, 0.3188, 0.2943



6.2162, 0.3085, 0.3067



4.1532, 0.2369, 0.1079



0.0821, 0.2754, 0.1291

Previews

White Background



This preview shows how the Yxy color 29.9881, 0.3197, 0.3720 looks on a white background.

Color Contrast Check

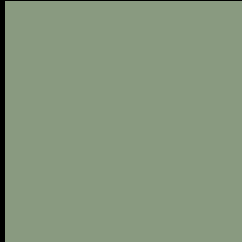
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9881, 0.3197, 0.3720 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 ✓ Pass

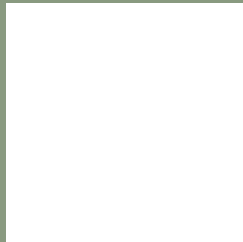
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9881, 0.3197, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 29.9881, 0.3197, 0.3720.



This preview shows how white text looks on a background with the Yxy color 29.9881, 0.3197, 0.3720.

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

29.9881, 0.3197, 0.3720

Protanopia

29.8286, 0.3451, 0.3651

Deuteranopia

29.8027, 0.3559, 0.3486



Tritanopia

29.8189, 0.2947, 0.3102

Trichromacy



Original Color

29.9881, 0.3197, 0.3720

Protanomaly

29.8031, 0.3360, 0.3674

Deuteranomaly

29.7215, 0.3424, 0.3571

Tritanomaly

29.8786, 0.3036, 0.3322

Monochromacy



Original Color

29.9881, 0.3197, 0.3720

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1986, 0.3161, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9881, 0.3197, 0.3720 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(137, 154, 128)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 128)  
}
```

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(137, 154, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 128) }
```

Border

The CSS property to change the border of an element to Yxy 29.9881, 0.3197, 0.3720 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(137, 154, 128) }
```

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

```
.border{ border-color:rgb(137, 154, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 128);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9881, 0.3197, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 128) }
```

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

```
.background{ background-color: rgb(137,  
154, 128) }
```

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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