

Converting Colors

$Y_{xy}(29.8987, 0.3206, 0.4162)$

Have a look what the booklet for
Yxy(29.8987, 0.3206, 0.4162)
contains.

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Color

Yxy(29.9653, 0.3198, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	799F6D
RGB	121, 159, 109
RGB Percent	47%, 62%, 43%
CMY	0.5256, 0.3764, 0.5725
CMYK	0.24, 0.00, 0.31, 0.38
HSL	106°, 21%, 53%
HSV	106°, 31%, 62%
XYZ	23.0414, 29.9653, 19.0426
YIQ	141.9380, -6.5980, -23.6060

Conversions

Conversions Part 2

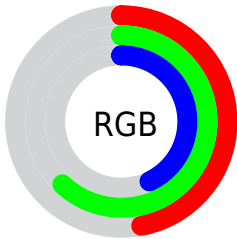
Format	Color
RYB	109, 159, 147
Decimal	7970669
CIELab	61.62, -22.82, 21.99
CIELCh	62, 31.693, 136.066
Yxy	29.9653, 0.3198, 0.4159
Android (android.graphics.Color)	4286160749 (0xFF799F6D)
YUV	141.9380, -16.2384, -18.3626
Hunter-Lab	54.7406, -20.6619, 17.6932

Details

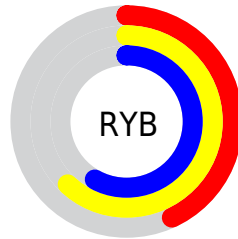
The Yxy color $29.9653, 0.3198, 0.4159$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.6533, 0.3018, 0.2495$, and the grayscale version is $27.0908, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.6650, 0.3189, 0.3970$, and $12.1919, 0.3198, 0.4482$ is the 20% darker color. If you saturate the color by 10%, you get $28.8347, 0.3212, 0.4480$, and if you desaturate by 10%, it is $31.2701, 0.3179, 0.3856$.

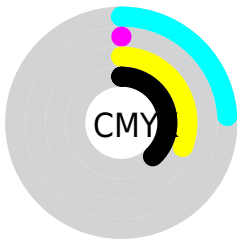
Distribution



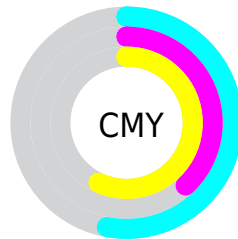
- Red (47%)
- Green (62%)
- Blue (43%)



- Red (43%)
- Yellow (62%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (31%)
- Black (38%)





- Cyan (53%)
- Magenta (38%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9653, 0.3198, 0.4159 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 29.9653, 0.3198, 0.4159 by changing the saturation by 10% instead.


 29.9653, 0.3198,
0.4159


 29.9653, 0.3198,
0.4159


301.7427, 0.3171,
0.3674


 19.8123, 0.3200,
0.4299

 59.6073, 0.3191,
0.3969


 12.2586, 0.3198,
0.4493


 79.8650, 0.3188,
0.3902

 6.9201, 0.3186,
0.4774


 104.2598, 0.3185,
0.3847

 3.4122, 0.3145,
0.5215

 133.1760, 0.3181,
0.3801

 1.3505, 0.3303,
0.6697

166.9979, 0.3179,
0.3762

 0.1798, 0.0000,
1.0000

206.1101, 0.3176,

 0.0000, 0.0000,

0.3728

0.0000

250.8969, 0.3174,
0.3699

■ 29.9653, 0.3198,
0.4159

■ 29.9653, 0.3198,
0.4159

■ 28.8347, 0.3212,
0.4480

■ 31.2701, 0.3179,
0.3856

■ 27.8670, 0.3217,
0.4807

■ 32.7521, 0.3156,
0.3576

■ 27.0556, 0.3213,
0.5123

■ 34.4192, 0.3131,
0.3324

■ 26.3918, 0.3197,
0.5410


■ 36.2775, 0.3105,
0.3099

■ 25.8660, 0.3170,
0.5646


■ 38.3329, 0.3080,
0.2901


 25.4674, 0.3133,
0.5818

 40.5912, 0.3055,
0.2726

 25.2115, 0.3100,
0.5921

 43.0577, 0.3031,
0.2573

 45.7376, 0.3008,
0.2439

 48.6359, 0.2987,
0.2321

Harmonies

Analogous

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



29.9653, 0.3688, 0.4203



29.9653, 0.3198, 0.4159



29.9653, 0.2712, 0.3810

Triad

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



29.9653, 0.3198, 0.4159



29.9653, 0.2267, 0.2556



29.9653, 0.3953, 0.3202

Complementary

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



29.9653, 0.3198, 0.4159



19.6533, 0.3018, 0.2495

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.



29.9653, 0.3512, 0.2838



29.9653, 0.3198, 0.4159



29.9653, 0.2542, 0.2474

Square

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



29.9653, 0.3198, 0.4159



29.9653, 0.2201, 0.2840



29.9653, 0.2988, 0.2579



29.9653, 0.4151, 0.3608

Rectangle

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



29.9653, 0.3198, 0.4159



29.9653, 0.2454, 0.3473



29.9653, 0.2988, 0.2579



29.9653, 0.3826, 0.3073

Sweetspot

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



29.9666, 0.3198, 0.4159



59.2965, 0.3150, 0.3517



29.1921, 0.3643, 0.3878



13.2788, 0.3154, 0.3553



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.9666, 0.3198, 0.4159



52.1551, 0.3209, 0.4392



29.4448, 0.2983, 0.3957



7.4738, 0.3150, 0.3519



19.9274, 0.3105, 0.5917



0.3738, 0.3371, 0.5705

Inverse Universe

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



19.6533, 0.3018, 0.2495



30.6012, 0.2984, 0.2305



20.4046, 0.3314, 0.2705



6.6746, 0.3101, 0.3067



5.2067, 0.2623, 0.1218



0.1110, 0.2872, 0.1356

Previews

White Background



This preview shows how the Yxy color 29.9653, 0.3198, 0.4159 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 29.9653, 0.3198, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

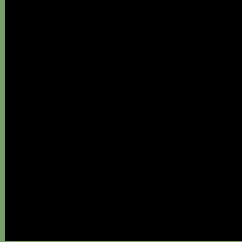
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9653, 0.3198, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 29.9653, 0.3198, 0.4159.



This preview shows how white text looks on a background with the Yxy color 29.9653, 0.3198, 0.4159.

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

29.9653, 0.3198, 0.4159

Protanopia

29.6529, 0.3698, 0.3975

Deuteranopia

29.6522, 0.3804, 0.3719



Tritanopia

29.8826, 0.2813, 0.3097

Trichromacy



Original Color

29.9653, 0.3198, 0.4159

Protanomaly

29.6081, 0.3504, 0.4040

Deuteranomaly

29.3182, 0.3561, 0.3862

Tritanomaly

29.9683, 0.2956, 0.3473

Monochromacy



Original Color

29.9653, 0.3198, 0.4159

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.8598, 0.3154, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9653, 0.3198, 0.4159 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(121, 159, 109)` looks like.

```
.text, #text, p{  
    color:rgb(121, 159, 109)  
}
```

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(121, 159, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 159, 109) }
```

Border

The CSS property to change the border of an element to Yxy 29.9653, 0.3198, 0.4159 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(121, 159, 109) }
```

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

```
.border{ border-color:rgb(121, 159, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 159, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 159, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 159, 109); box-shadow:4px 4px 4px 4px rgb(121, 159, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9653, 0.3198, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 159, 109) }
```

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

```
.background{ background-color: rgb(121,  
159, 109) }
```

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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