

Converting Colors

$Yxy(31.3661, 0.3214, 0.4268)$

Have a look what the booklet for
Yxy(31.3661, 0.3214, 0.4268)
contains.

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Color

Yxy(31.2999, 0.3217, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	79A36A
RGB	121, 163, 106
RGB Percent	47%, 64%, 42%
CMY	0.5254, 0.3608, 0.5843
CMYK	0.26, 0.00, 0.35, 0.36
HSL	104°, 24%, 53%
HSV	104°, 35%, 64%
XYZ	23.5867, 31.2999, 18.4324
YIQ	143.9440, -6.7350, -26.6310

Conversions

Conversions Part 2

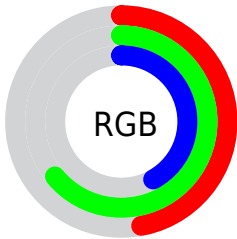
Format	Color
RYB	106, 163, 148
Decimal	7971690
CIELab	62.76, -25.28, 25.16
CIELCh	63, 35.661, 135.139
Yxy	31.2999, 0.3217, 0.4269
Android (android.graphics.Color)	4286161770 (0xFF79A36A)
YUV	143.9440, -18.7064, -20.1219
Hunter-Lab	55.9463, -22.6512, 19.6284

Details

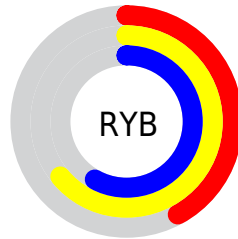
The Yxy color **31.2999, 0.3217, 0.4269** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2439, 0.2985, 0.2396**, and the grayscale version is **27.9476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6101, 0.3204, 0.4054**, and **13.0140, 0.3220, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **30.1797, 0.3231, 0.4591**, and if you desaturate by 10%, it is **32.5951, 0.3196, 0.3960**.

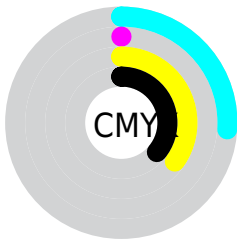
Distribution



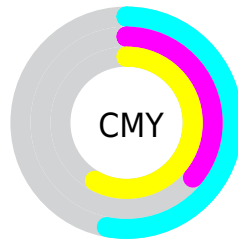
- Red (47%)
- Green (64%)
- Blue (42%)



- Red (42%)
- Yellow (64%)
- Blue (58%)



- Cyan (26%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (53%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2999, 0.3217, 0.4269 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 31.2999, 0.3217, 0.4269 by changing the saturation by 10% instead.


 31.2999, 0.3217,
0.4269

 31.2999, 0.3217,
0.4269

307.9176, 0.3184,
0.3724

 20.8273, 0.3219,
0.4425


 61.7119, 0.3209,
0.4057


 12.9978, 0.3216,
0.4639


 82.4202, 0.3205,
0.3981

 7.4271, 0.3201,
0.4946


 107.3091, 0.3200,
0.3920

 3.7306, 0.3149,
0.5420

 136.7631, 0.3196,
0.3868

 1.5240, 0.3225,
0.6775

171.1665, 0.3193,
0.3824

 0.3055, 0.0000,
1.0000

210.9038, 0.3189,

 0.0000, 0.0000,

0.3786

0.0000

256.3594, 0.3186,
0.3753

■ 31.2999, 0.3217,
0.4269

■ 31.2999, 0.3217,
0.4269

■ 30.1797, 0.3231,
0.4591

■ 32.5951, 0.3196,
0.3960

■ 29.2229, 0.3236,
0.4914

■ 34.0685, 0.3170,
0.3672

■ 28.4226, 0.3230,
0.5220

■ 35.7279, 0.3142,
0.3410

■ 27.7698, 0.3210,
0.5488


■ 37.5799, 0.3112,
0.3175


■ 27.2546, 0.3179,
0.5702

■ 39.6304, 0.3083,
0.2967


 26.8652, 0.3137,
0.5848

 41.8853, 0.3054,
0.2783

 26.7070, 0.3117,
0.5907

 44.3499, 0.3027,
0.2621

 47.0297, 0.3001,
0.2479

 49.9298, 0.2976,
0.2355

Harmonies

Analogous

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



31.2999, 0.3757, 0.4297



31.2999, 0.3217, 0.4269



31.2999, 0.2680, 0.3887

Triad

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



31.2999, 0.3217, 0.4269



31.2999, 0.2177, 0.2486



31.2999, 0.4032, 0.3175

Complementary

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



31.2999, 0.3217, 0.4269



19.2439, 0.2985, 0.2396

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.



31.2999, 0.3534, 0.2782



31.2999, 0.3217, 0.4269



31.2999, 0.2469, 0.2395

Square

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



31.2999, 0.3217, 0.4269



31.2999, 0.2112, 0.2800



31.2999, 0.2953, 0.2505



31.2999, 0.4260, 0.3617

Rectangle

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



31.2999, 0.3217, 0.4269



31.2999, 0.2394, 0.3509



31.2999, 0.2953, 0.2505



31.2999, 0.3888, 0.3035

Sweetspot

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



31.3012, 0.3217, 0.4269



62.3959, 0.3157, 0.3543



29.9430, 0.3712, 0.3933



13.9254, 0.3160, 0.3579



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.



31.3012, 0.3217, 0.4269



54.4658, 0.3229, 0.4520



30.5965, 0.2975, 0.4066



7.9812, 0.3154, 0.3519



20.7764, 0.3123, 0.5903



0.4581, 0.3389, 0.5691

Inverse Universe

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



19.2439, 0.2985, 0.2396



29.5588, 0.2941, 0.2191



20.2858, 0.3329, 0.2624



7.1078, 0.3097, 0.3066



5.1817, 0.2562, 0.1185



0.1298, 0.2810, 0.1322

Previews

White Background



This preview shows how the Yxy color 31.2999, 0.3217, 0.4269 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.2999, 0.3217, 0.4269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

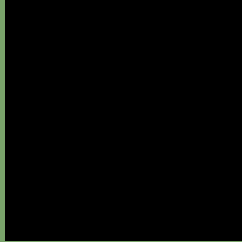
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2999, 0.3217, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 31.2999, 0.3217, 0.4269.



This preview shows how white text looks on a background with the Yxy color 31.2999, 0.3217, 0.4269.

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

31.2999, 0.3217, 0.4269

Protanopia

30.9653, 0.3757, 0.4050

Deuteranopia

30.9603, 0.3866, 0.3796



Tritanopia

31.0951, 0.2792, 0.3085

Trichromacy



Original Color

31.2999, 0.3217, 0.4269

Protanomaly

30.7179, 0.3543, 0.4125

Deuteranomaly

30.8297, 0.3608, 0.3960

Tritanomaly

31.0101, 0.2948, 0.3504

Monochromacy



Original Color

31.2999, 0.3217, 0.4269

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9792, 0.3172, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2999, 0.3217, 0.4269 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, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(121, 163, 106)  
}
```

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, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 163, 106) }
```

Border

The CSS property to change the border of an element to Yxy 31.2999, 0.3217, 0.4269 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, 163, 106) }
```

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

```
.border{ border-color:rgb(121, 163, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 163, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(121, 163,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2999, 0.3217, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 163, 106) }
```

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

```
.background{ background-color: rgb(121,  
163, 106) }
```

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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