

Converting Colors

$Yxy(31.6593, 0.3186, 0.4117)$

Have a look what the booklet for
Yxy(31.6593, 0.3186, 0.4117)
contains.

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Color

Yxy(31.7693, 0.3189, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	7DA372
RGB	125, 163, 114
RGB Percent	49%, 64%, 45%
CMY	0.5098, 0.3608, 0.5530
CMYK	0.23, 0.00, 0.30, 0.36
HSL	107°, 21%, 54%
HSV	107°, 30%, 64%
XYZ	24.5904, 31.7693, 20.7503
YIQ	146.0520, -6.9190, -23.2950

Conversions

Conversions Part 2

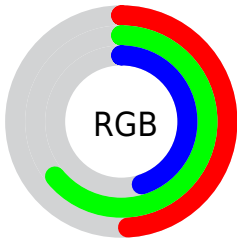
Format	Color
RYB	114, 163, 152
Decimal	8233842
CIELab	63.15, -22.57, 21.37
CIELCh	63, 31.086, 136.560
Yxy	31.7693, 0.3189, 0.4120
Android (android.graphics.Color)	4286423922 (0xFF7DA372)
YUV	146.0520, -15.8016, -18.4626
Hunter-Lab	56.3643, -20.7622, 17.6276

Details

The Yxy color **31.7693, 0.3189, 0.4120** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.3506, 0.3032, 0.2531**, and the grayscale version is **28.8347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3610, 0.3182, 0.3943**, and **13.2464, 0.3197, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **30.5405, 0.3201, 0.4441**, and if you desaturate by 10%, it is **33.1880, 0.3171, 0.3818**.

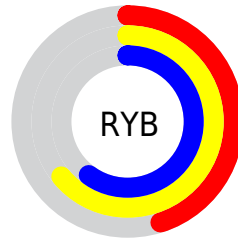
Distribution



Red (49%)

Green (64%)

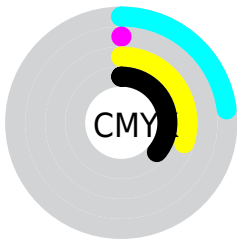
Blue (45%)



Red (45%)

Yellow (64%)

Blue (60%)

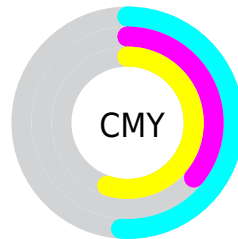


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (36%)



Cyan (51%)

Magenta (36%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7693, 0.3189, 0.4120 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 31.7693, 0.3189, 0.4120 by changing the saturation by 10% instead.


 31.7693, 0.3189,
0.4120


 31.7693, 0.3189,
0.4120


310.0670, 0.3166,
0.3661

 21.1853, 0.3190,
0.4251


 62.4492, 0.3184,
0.3942

 13.2596, 0.3188,
0.4430


 83.3140, 0.3181,
0.3878

 7.6075, 0.3178,
0.4688


 108.3746, 0.3178,
0.3826

 3.8449, 0.3144,
0.5088

 138.0152, 0.3175,
0.3782

 1.5872, 0.3317,
0.6321

172.6204, 0.3173,
0.3745

 0.3489, 0.0000,
1.0000

212.5745, 0.3170,

 0.0000, 0.0000,

0.3713

0.0000

258.2619, 0.3168,
0.3685

■ 31.7693, 0.3189,
0.4120

■ 31.7693, 0.3189,
0.4120

■ 30.5405, 0.3201,
0.4441

■ 33.1880, 0.3171,
0.3818

■ 29.4895, 0.3206,
0.4770

■ 34.8002, 0.3150,
0.3541

■ 28.6091, 0.3202,
0.5092


■ 36.6142, 0.3127,
0.3292


■ 27.8897, 0.3187,
0.5385


■ 38.6368, 0.3104,
0.3070


■ 27.3211, 0.3161,
0.5630

■ 40.8746, 0.3080,
0.2875

 26.8914, 0.3126,
0.5810

 43.3336, 0.3057,
0.2704

 26.5828, 0.3089,
0.5930

 46.0197, 0.3035,
0.2554

 48.9386, 0.3015,
0.2423

 51.7240, 0.3037,
0.2357

Harmonies

Analogous

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



31.7693, 0.3662, 0.4170



31.7693, 0.3189, 0.4120



31.7693, 0.2721, 0.3782

Triad

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



31.7693, 0.3189, 0.4120



31.7693, 0.2300, 0.2580



31.7693, 0.3926, 0.3213

Complementary

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



31.7693, 0.3189, 0.4120



21.3506, 0.3032, 0.2531

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.



31.7693, 0.3506, 0.2859



31.7693, 0.3189, 0.4120



31.7693, 0.2569, 0.2503

Square

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



31.7693, 0.3189, 0.4120



31.7693, 0.2233, 0.2852



31.7693, 0.3002, 0.2606



31.7693, 0.4112, 0.3606

Rectangle

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



31.7693, 0.3189, 0.4120



31.7693, 0.2473, 0.3459



31.7693, 0.3002, 0.2606



31.7693, 0.3806, 0.3088

Sweetspot

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



31.7707, 0.3189, 0.4120



62.5987, 0.3148, 0.3517



31.3181, 0.3616, 0.3865



13.9630, 0.3151, 0.3554



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.



31.7707, 0.3189, 0.4120



55.4047, 0.3198, 0.4330



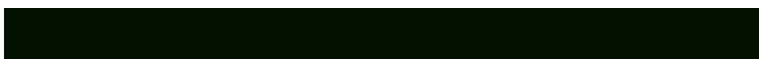
31.3067, 0.2982, 0.3910



7.9682, 0.3148, 0.3520



20.6754, 0.3094, 0.5926



0.4536, 0.3337, 0.5732

Inverse Universe

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



21.3506, 0.3032, 0.2531



33.7319, 0.3004, 0.2359



22.0180, 0.3315, 0.2742



7.1216, 0.3103, 0.3066



5.5464, 0.2657, 0.1237



0.1353, 0.2870, 0.1354

Previews

White Background



This preview shows how the Yxy color 31.7693, 0.3189, 0.4120 looks on a white background.

Color Contrast Check

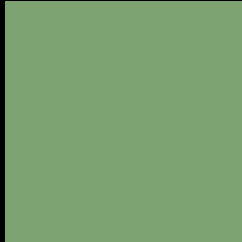
Large Text (above 18pt) WCAG AA × Fail

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 31.7693, 0.3189, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

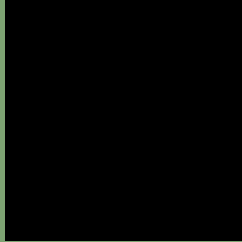
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7693, 0.3189, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 31.7693, 0.3189, 0.4120.



This preview shows how white text looks on a background with the Yxy color 31.7693, 0.3189, 0.4120.

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

31.7693, 0.3189, 0.4120

Protanopia

31.4531, 0.3674, 0.3944

Deuteranopia

31.4495, 0.3776, 0.3695



Tritanopia

31.6724, 0.2820, 0.3102

Trichromacy



Original Color

31.7693, 0.3189, 0.4120

Protanomaly

31.4087, 0.3486, 0.4006

Deuteranomaly

31.1118, 0.3540, 0.3833

Tritanomaly

31.7597, 0.2959, 0.3468

Monochromacy



Original Color

31.7693, 0.3189, 0.4120

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.5810, 0.3154, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7693, 0.3189, 0.4120 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(125, 163, 114)` looks like.

```
.text, #text, p{  
    color:rgb(125, 163, 114)  
}
```

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(125, 163, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 163, 114) }
```

Border

The CSS property to change the border of an element to Yxy 31.7693, 0.3189, 0.4120 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(125, 163, 114) }
```

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

```
.border{ border-color:rgb(125, 163, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 163, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 163, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 163, 114);  
box-shadow:4px 4px 4px 4px rgb(125, 163,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7693, 0.3189, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 163, 114) }
```

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

```
.background{ background-color: rgb(125,  
163, 114) }
```

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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