

Converting Colors

Yxy(31.2928, 0.3327, 0.4204)

Have a look what the booklet for
Yxy(31.2928, 0.3327, 0.4204)
contains.

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Color

Yxy(31.4359, 0.3329, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	84A16A
RGB	132, 161, 106
RGB Percent	52%, 63%, 42%
CMY	0.4823, 0.3686, 0.5844
CMYK	0.18, 0.00, 0.34, 0.37
HSL	92°, 23%, 52%
HSV	92°, 34%, 63%
XYZ	24.8634, 31.4359, 18.3880
YIQ	146.0590, 0.3710, -23.2530

Conversions

Conversions Part 2

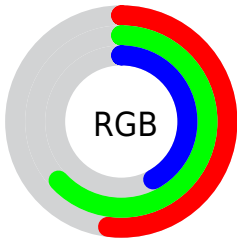
Format	Color
RYB	106, 161, 135
Decimal	8692074
CIELab	62.87, -20.20, 25.44
CIELCh	63, 32.484, 128.449
Yxy	31.4359, 0.3329, 0.4209
Android (android.graphics.Color)	4286882154 (0xFF84A16A)
YUV	146.0590, -19.7491, -12.3297
Hunter-Lab	56.0677, -18.9621, 19.8026

Details

The Yxy color **31.4359, 0.3329, 0.4209** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.0260, 0.2851, 0.2383**, and the grayscale version is **28.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0195, 0.3297, 0.4011**, and **12.9921, 0.3363, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **30.4769, 0.3376, 0.4506**, and if you desaturate by 10%, it is **32.5162, 0.3274, 0.3919**.

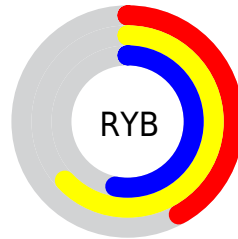
Distribution



Red (52%)

Green (63%)

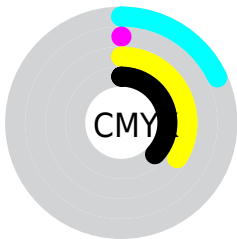
Blue (42%)



Red (42%)

Yellow (63%)

Blue (53%)

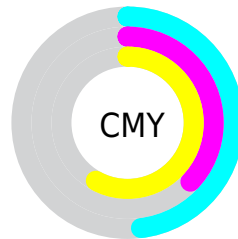


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (37%)



Cyan (48%)


Magenta (37%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4359, 0.3329, 0.4209 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 31.4359, 0.3329, 0.4209 by changing the saturation by 10% instead.


 31.4359, 0.3329,
0.4209


 31.4359, 0.3329,
0.4209


308.5415, 0.3234,
0.3702


 20.9310, 0.3349,
0.4352


 61.9257, 0.3297,
0.4013


 13.0736, 0.3370,
0.4547

 82.6794, 0.3284,
0.3943

 7.4792, 0.3389,
0.4824


 107.6181, 0.3273,
0.3885

 3.7636, 0.3391,
0.5245

 137.1263, 0.3263,
0.3837

 1.5422, 0.3585,
0.6415

171.5884, 0.3254,
0.3795

 0.3182, 0.0000,
1.0000

211.3887, 0.3247,

 0.0000, 0.0000,

0.3760

0.0000

256.9116, 0.3240,
0.3729

■ 31.4359, 0.3329,
0.4209

■ 31.4359, 0.3329,
0.4209

■ 30.4769, 0.3376,
0.4506

■ 32.5162, 0.3274,
0.3919

■ 29.6301, 0.3410,
0.4800

■ 33.7181, 0.3214,
0.3645

■ 28.8917, 0.3429,
0.5076


■ 35.0473, 0.3153,
0.3390

■ 28.2560, 0.3428,
0.5321


■ 36.5078, 0.3092,
0.3157

■ 27.7165, 0.3406,
0.5519

■ 38.1034, 0.3032,
0.2946


 27.2656, 0.3365,
0.5663

 39.8378, 0.2975,
0.2757

 27.0342, 0.3337,
0.5732

 41.7146, 0.2921,
0.2588

 43.7371, 0.2870,
0.2438

 45.9086, 0.2823,
0.2304

Harmonies

Analogous

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



31.4359, 0.3802, 0.4174



31.4359, 0.3329, 0.4209



31.4359, 0.2824, 0.3928

Triad

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



31.4359, 0.3329, 0.4209



31.4359, 0.2223, 0.2603



31.4359, 0.3865, 0.3101

Complementary

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



31.4359, 0.3329, 0.4209



18.0260, 0.2851, 0.2383

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.



31.4359, 0.3382, 0.2756



31.4359, 0.3329, 0.4209



31.4359, 0.2448, 0.2470

Square

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



31.4359, 0.3329, 0.4209



31.4359, 0.2212, 0.2939



31.4359, 0.2860, 0.2531



31.4359, 0.4138, 0.3506

Rectangle

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



31.4359, 0.3329, 0.4209



31.4359, 0.2538, 0.3609



31.4359, 0.2860, 0.2531



31.4359, 0.3720, 0.2976

Sweetspot

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



31.4373, 0.3329, 0.4209



61.3063, 0.3190, 0.3541



25.7809, 0.3756, 0.3742



13.3779, 0.3198, 0.3575



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.



31.4373, 0.3329, 0.4209



54.9752, 0.3365, 0.4435



29.6126, 0.3073, 0.4266



8.0517, 0.3184, 0.3517



21.6151, 0.3343, 0.5727



0.4823, 0.3640, 0.5492

Inverse Universe

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



18.0260, 0.2851, 0.2383



27.2493, 0.2771, 0.2163



20.4228, 0.3177, 0.2476



7.0349, 0.3066, 0.3063



3.6151, 0.2095, 0.0928



0.1039, 0.2498, 0.1150

Previews

White Background



This preview shows how the Yxy color 31.4359, 0.3329, 0.4209 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 31.4359, 0.3329, 0.4209 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 31.4359, 0.3329, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 31.4359, 0.3329, 0.4209.



This preview shows how white text looks on a background with the Yxy color 31.4359, 0.3329, 0.4209.

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

31.4359, 0.3329, 0.4209

Protanopia

31.3083, 0.3742, 0.4049

Deuteranopia

31.0582, 0.3888, 0.3808



Tritanopia

31.5271, 0.2897, 0.3104

Trichromacy



Original Color

31.4359, 0.3329, 0.4209

Protanomaly

31.0974, 0.3586, 0.4112

Deuteranomaly

31.0025, 0.3677, 0.3948

Tritanomaly

31.5308, 0.3059, 0.3499

Monochromacy



Original Color

31.4359, 0.3329, 0.4209

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4346, 0.3214, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4359, 0.3329, 0.4209 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(132, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(132, 161, 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(132, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 161, 106) }
```

Border

The CSS property to change the border of an element to Yxy 31.4359, 0.3329, 0.4209 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(132, 161, 106) }
```

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

```
.border{ border-color:rgb(132, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 161, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 161, 106); box-shadow:4px 4px 4px 4px rgb(132, 161, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4359, 0.3329, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 161, 106) }
```

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

```
.background{ background-color: rgb(132,  
161, 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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