

Converting Colors

$Yxy(32.1469, 0.3088, 0.4565)$

Have a look what the booklet for
Yxy(32.1469, 0.3088, 0.4565)
contains.

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Color

Yxy(31.9671, 0.3084, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	64A962
RGB	100, 169, 98
RGB Percent	39%, 66%, 38%
CMY	0.6078, 0.3372, 0.6157
CMYK	0.41, 0.00, 0.42, 0.34
HSL	118°, 29%, 52%
HSV	118°, 42%, 66%
XYZ	21.6483, 31.9671, 16.5802
YIQ	140.2750, -18.3330, -36.7090

Conversions

Conversions Part 2

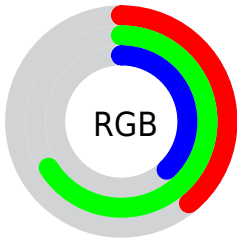
Format	Color
RYB	98, 169, 167
Decimal	6596962
CIELab	63.32, -36.53, 29.95
CIELCh	63, 47.237, 140.650
Yxy	31.9671, 0.3084, 0.4554
Android (android.graphics.Color)	4284787042 (0xFF64A962)
YUV	140.2750, -20.8416, -35.3212
Hunter-Lab	56.5395, -30.5983, 22.1908

Details

The Yxy color **31.9671, 0.3084, 0.4554** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.8099, 0.3150, 0.2272**, and the grayscale version is **26.4271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9225, 0.3107, 0.4273**, and **13.3254, 0.3018, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **30.8384, 0.3069, 0.4905**, and if you desaturate by 10%, it is **33.3546, 0.3097, 0.4210**.

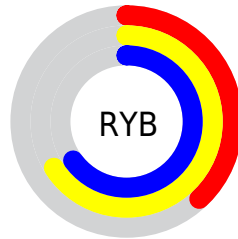
Distribution



Red (39%)

Green (66%)

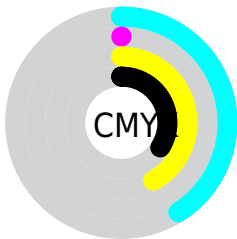
Blue (38%)



Red (38%)

Yellow (66%)

Blue (65%)

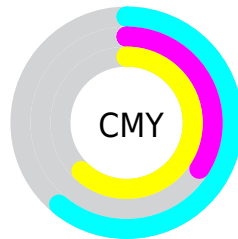


Cyan (41%)

Magenta (0%)

Yellow (42%)

Black (34%)



Cyan (61%)


Magenta (34%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9671, 0.3084, 0.4554 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 31.9671, 0.3084, 0.4554 by changing the saturation by 10% instead.


 31.9671, 0.3084,
0.4554


 31.9671, 0.3084,
0.4554


310.9694, 0.3132,
0.3844


 21.3364, 0.3059,
0.4760


 62.7595, 0.3110,
0.4275

 13.3701, 0.3017,
0.5042


 83.6900, 0.3117,
0.4177

 7.6839, 0.2941,
0.5447


 108.8225, 0.3121,
0.4096

 3.8934, 0.2793,
0.6087

 138.5414, 0.3125,
0.4029

 1.6141, 0.2399,
0.7601

173.2312, 0.3127,
0.3972

 0.3671, 0.0000,
1.0000

213.2762, 0.3129,

 0.0000, 0.0000,

0.3923

0.0000

259.0608, 0.3131,
0.3881

■ 31.9671, 0.3084,
0.4554

■ 31.9671, 0.3084,
0.4554

■ 30.8384, 0.3069,
0.4905

■ 33.3546, 0.3097,
0.4210

■ 29.9487, 0.3054,
0.5242

■ 35.0111, 0.3109,
0.3889

■ 29.2820, 0.3038,
0.5539


■ 36.9513, 0.3118,
0.3597


■ 28.8185, 0.3023,
0.5771

■ 39.1877, 0.3126,
0.3338


■ 28.5351, 0.3012,
0.5922


■ 41.7318, 0.3132,
0.3112

 28.4080, 0.3007,
0.5995

 44.5948, 0.3137,
0.2916

 47.7871, 0.3141,
0.2748

 51.3187, 0.3144,
0.2603

 55.1994, 0.3146,
0.2478

Harmonies

Analogous

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



31.9671, 0.3795, 0.4639



31.9671, 0.3084, 0.4554



31.9671, 0.2422, 0.3956

Triad

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



31.9671, 0.3084, 0.4554



31.9671, 0.1968, 0.2216



31.9671, 0.4407, 0.3219

Complementary

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



31.9671, 0.3084, 0.4554



19.8099, 0.3150, 0.2272

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.



31.9671, 0.3793, 0.2719



31.9671, 0.3084, 0.4554



31.9671, 0.2373, 0.2165

Square

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



31.9671, 0.3084, 0.4554



31.9671, 0.1834, 0.2540



31.9671, 0.3025, 0.2347



31.9671, 0.4612, 0.3772

Rectangle

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



31.9671, 0.3084, 0.4554



31.9671, 0.2098, 0.3419



31.9671, 0.3025, 0.2347



31.9671, 0.4238, 0.3043

Sweetspot

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



31.9684, 0.3084, 0.4554



65.7270, 0.3117, 0.3631



36.8209, 0.3754, 0.4277



14.1577, 0.3115, 0.3691



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.9684, 0.3084, 0.4554



55.4340, 0.3071, 0.4866



32.6148, 0.2827, 0.3952



8.4176, 0.3120, 0.3523



21.1757, 0.3008, 0.5994



0.5183, 0.3045, 0.5965

Inverse Universe

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



19.8099, 0.3150, 0.2272



30.8316, 0.3152, 0.2079



18.9414, 0.3611, 0.2719



7.6555, 0.3133, 0.3067



8.0353, 0.3139, 0.1503



0.1988, 0.3164, 0.1517

Previews

White Background



This preview shows how the Yxy color 31.9671, 0.3084, 0.4554 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 31.9671, 0.3084, 0.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

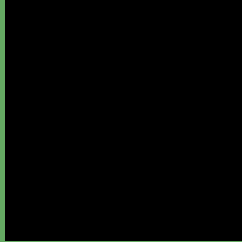
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9671, 0.3084, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 31.9671, 0.3084, 0.4554.



This preview shows how white text looks on a background with the Yxy color 31.9671, 0.3084, 0.4554.

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

31.9671, 0.3084, 0.4554

Protanopia

31.7707, 0.3863, 0.4194

Deuteranopia

31.4821, 0.3967, 0.3900



Tritanopia

31.8036, 0.2633, 0.3081

Trichromacy



Original Color

31.9671, 0.3084, 0.4554

Protanomaly

31.4441, 0.3552, 0.4338

Deuteranomaly

30.7262, 0.3609, 0.4129

Tritanomaly

31.5847, 0.2799, 0.3577

Monochromacy



Original Color

31.9671, 0.3084, 0.4554

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.9739, 0.3106, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9671, 0.3084, 0.4554 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(100, 169, 98)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 98)  
}
```

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(100, 169, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 98) }
```

Border

The CSS property to change the border of an element to Yxy 31.9671, 0.3084, 0.4554 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(100, 169, 98) }
```

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

```
.border{ border-color:rgb(100, 169, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 169, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 169, 98);  
box-shadow:4px 4px 4px 4px rgb(100, 169,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9671, 0.3084, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 98) }
```

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

```
.background{ background-color: rgb(100,  
169, 98) }
```

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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