

Converting Colors

Yxy(31.2786, 0.3009, 0.4229)

Have a look what the booklet for
Yxy(31.2786, 0.3009, 0.4229)
contains.

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Color

Yxy(31.4077, 0.3007, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	68A671
RGB	104, 166, 113
RGB Percent	41%, 65%, 44%
CMY	0.5921, 0.3490, 0.5568
CMYK	0.37, 0.00, 0.32, 0.35
HSL	129°, 26%, 53%
HSV	129°, 37%, 65%
XYZ	22.3269, 31.4077, 20.5152
YIQ	141.4200, -19.9390, -29.6270

Conversions

Conversions Part 2

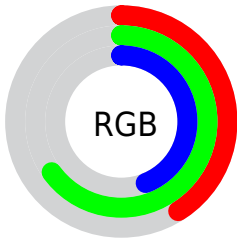
Format	Color
RYB	104, 158, 166
Decimal	6858353
CIELab	62.85, -31.36, 21.29
CIELCh	63, 37.908, 145.829
Yxy	31.4077, 0.3007, 0.4230
Android (android.graphics.Color)	4285048433 (0xFF68A671)
YUV	141.4200, -14.0111, -32.8173
Hunter-Lab	56.0426, -26.9614, 17.5258

Details

The Yxy color **31.4077, 0.3007, 0.4230** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.4419, 0.3278, 0.2504**, and the grayscale version is **26.8730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5976, 0.3039, 0.4021**, and **13.1732, 0.2939, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **30.2165, 0.2980, 0.4536**, and if you desaturate by 10%, it is **32.8471, 0.3038, 0.3943**.

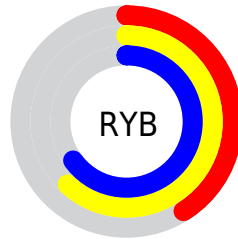
Distribution



Red (41%)

Green (65%)

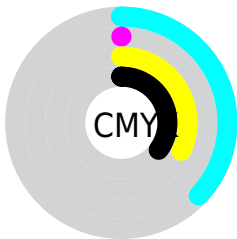
Blue (44%)



Red (41%)

Yellow (62%)

Blue (65%)

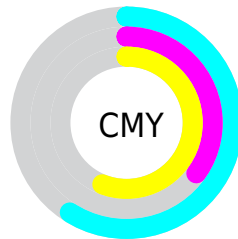


Cyan (37%)

Magenta (0%)

Yellow (32%)

Black (35%)



Cyan (59%)


Magenta (35%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4077, 0.3007, 0.4230 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 31.4077, 0.3007, 0.4230 by changing the saturation by 10% instead.


 31.4077, 0.3007,
0.4230


 31.4077, 0.3007,
0.4230


308.4122, 0.3085,
0.3704

 20.9095, 0.2980,
0.4383


 61.8814, 0.3041,
0.4024


 13.0579, 0.2939,
0.4594


 82.6257, 0.3051,
0.3951

 7.4684, 0.2872,
0.4902


 107.5541, 0.3060,
0.3891

 3.7567, 0.2749,
0.5388

 137.0510, 0.3067,
0.3841

 1.5384, 0.2684,
0.7040

171.5009, 0.3073,
0.3799

 0.3155, 0.0000,
1.0000

211.2882, 0.3077,

 0.0000, 0.0000,

0.3763

0.0000

256.7971, 0.3081,
0.3732

■ 31.4077, 0.3007,
0.4230

■ 31.4077, 0.3007,
0.4230

■ 30.2165, 0.2980,
0.4536

■ 32.8471, 0.3038,
0.3943

■ 29.2555, 0.2958,
0.4849

■ 34.5433, 0.3071,
0.3680

■ 28.5110, 0.2945,
0.5154


■ 36.5097, 0.3103,
0.3445


■ 27.9659, 0.2941,
0.5432

■ 38.7573, 0.3136,
0.3238


■ 27.6003, 0.2948,
0.5663

■ 41.2967, 0.3166,
0.3057


 27.3848, 0.2962,
0.5835

 44.1377, 0.3195,
0.2899

 27.3396, 0.2964,
0.5871

 47.2898, 0.3222,
0.2763

 50.7622, 0.3246,
0.2646

 54.5635, 0.3269,
0.2544

Harmonies

Analogous

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



31.4077, 0.3596, 0.4394



31.4077, 0.3007, 0.4230



31.4077, 0.2479, 0.3716

Triad

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



31.4077, 0.3007, 0.4230



31.4077, 0.2208, 0.2380



31.4077, 0.4215, 0.3328

Complementary

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



31.4077, 0.3007, 0.4230



20.4419, 0.3278, 0.2504

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.



31.4077, 0.3769, 0.2890



31.4077, 0.3007, 0.4230



31.4077, 0.2592, 0.2365

Square

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



31.4077, 0.3007, 0.4230



31.4077, 0.2053, 0.2623



31.4077, 0.3157, 0.2549



31.4077, 0.4326, 0.3793

Rectangle

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



31.4077, 0.3007, 0.4230



31.4077, 0.2229, 0.3297



31.4077, 0.3157, 0.2549



31.4077, 0.4098, 0.3175

Sweetspot

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



31.4090, 0.3007, 0.4230



64.8249, 0.3091, 0.3532



35.5148, 0.3591, 0.4225



14.4025, 0.3087, 0.3563



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.



31.4090, 0.3007, 0.4230



55.1386, 0.2983, 0.4489



32.2075, 0.2778, 0.3678



8.4249, 0.3097, 0.3489



21.2046, 0.2961, 0.5860



0.5211, 0.2832, 0.5394

Inverse Universe

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



20.4419, 0.3278, 0.2504



32.2484, 0.3321, 0.2334



19.5337, 0.3683, 0.2938



7.6476, 0.3159, 0.3099



7.8027, 0.3607, 0.1761



0.1948, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 31.4077, 0.3007, 0.4230 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 31.4077, 0.3007, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

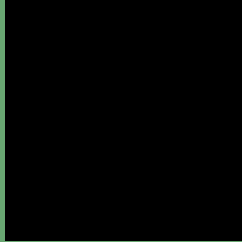
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4077, 0.3007, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 31.4077, 0.3007, 0.4230.



This preview shows how white text looks on a background with the Yxy color 31.4077, 0.3007, 0.4230.

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

31.4077, 0.3007, 0.4230

Protanopia

30.9813, 0.3687, 0.3963

Deuteranopia

30.9059, 0.3759, 0.3685



Tritanopia

31.4496, 0.2653, 0.3096

Trichromacy



Original Color

31.4077, 0.3007, 0.4230

Protanomaly

30.6318, 0.3420, 0.4060

Deuteranomaly

30.5275, 0.3449, 0.3882

Tritanomaly

31.4874, 0.2783, 0.3491

Monochromacy



Original Color

31.4077, 0.3007, 0.4230

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0406, 0.3082, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4077, 0.3007, 0.4230 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(104, 166, 113)` looks like.

```
.text, #text, p{  
    color:rgb(104, 166, 113)  
}
```

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(104, 166, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 166, 113) }
```

Border

The CSS property to change the border of an element to Yxy 31.4077, 0.3007, 0.4230 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(104, 166, 113) }
```

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

```
.border{ border-color:rgb(104, 166, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 166, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 166, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 166, 113);  
box-shadow:4px 4px 4px 4px rgb(104, 166,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4077, 0.3007, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 166, 113) }
```

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

```
.background{ background-color: rgb(104,  
166, 113) }
```

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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