

Converting Colors

$Yxy(30.9737, 0.3045, 0.4231)$

Have a look what the booklet for
Yxy(30.9737, 0.3045, 0.4231)
contains.

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Color

Yxy(30.8244, 0.3048, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	6BA46F
RGB	107, 164, 111
RGB Percent	42%, 64%, 44%
CMY	0.5805, 0.3568, 0.5646
CMYK	0.35, 0.00, 0.32, 0.36
HSL	124°, 24%, 53%
HSV	124°, 35%, 64%
XYZ	22.2058, 30.8244, 19.8235
YIQ	140.9150, -16.9590, -28.5670

Conversions

Conversions Part 2

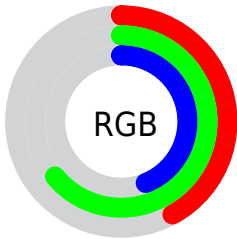
Format	Color
RYB	107, 160, 164
Decimal	7054447
CIELab	62.36, -29.81, 21.75
CIElCh	62, 36.896, 143.883
Yxy	30.8244, 0.3048, 0.4231
Android (android.graphics.Color)	4285244527 (0xFF6BA46F)
YUV	140.9150, -14.7481, -29.7435
Hunter-Lab	55.5197, -25.7662, 17.6941

Details

The Yxy color **30.8244, 0.3048, 0.4231** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9382, 0.3214, 0.2501**, and the grayscale version is **26.6631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7810, 0.3072, 0.4021**, and **12.7880, 0.2989, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **29.5965, 0.3026, 0.4558**, and if you desaturate by 10%, it is **32.3049, 0.3071, 0.3925**.

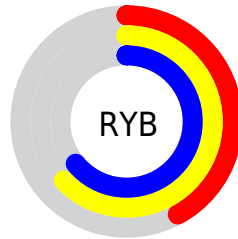
Distribution



Red (42%)

Green (64%)

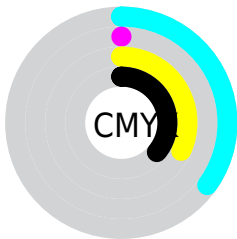
Blue (44%)



Red (42%)

Yellow (63%)

Blue (64%)

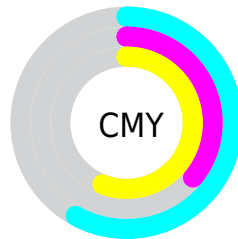


Cyan (35%)

Magenta (0%)

Yellow (32%)

Black (36%)



Cyan (58%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8244, 0.3048, 0.4231 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 30.8244, 0.3048, 0.4231 by changing the saturation by 10% instead.


 30.8244, 0.3048,
0.4231


 30.8244, 0.3048,
0.4231


305.7285, 0.3104,
0.3704


 20.4652, 0.3026,
0.4385


 60.9635, 0.3073,
0.4024

 12.7336, 0.2993,
0.4597


 81.5122, 0.3081,
0.3951

 7.2454, 0.2936,
0.4907


 106.2261, 0.3087,
0.3891

 3.6160, 0.2826,
0.5397

 135.4897, 0.3092,
0.3841

 1.4612, 0.2816,
0.7184

169.6873, 0.3096,
0.3799

 0.2612, 0.0000,
1.0000

209.2034, 0.3099,

 0.0000, 0.0000,

0.3763

0.0000

254.4223, 0.3102,
0.3731

■ 30.8244, 0.3048,
0.4231

■ 30.8244, 0.3048,
0.4231

■ 29.5965, 0.3026,
0.4558

■ 32.3049, 0.3071,
0.3925

■ 28.6036, 0.3007,
0.4891

■ 34.0469, 0.3094,
0.3646

■ 27.8316, 0.2992,
0.5214


■ 36.0636, 0.3117,
0.3398

■ 27.2637, 0.2983,
0.5502

■ 38.3662, 0.3138,
0.3180

■ 26.8805, 0.2981,
0.5733

■ 40.9652, 0.3158,
0.2991


 26.6582, 0.2985,
0.5892

 43.8706, 0.3175,
0.2828

 26.5796, 0.2986,
0.5948

 47.0920, 0.3192,
0.2687

 50.6385, 0.3206,
0.2565

 54.5189, 0.3220,
0.2461

Harmonies

Analogous

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



30.8244, 0.3624, 0.4367



30.8244, 0.3048, 0.4231



30.8244, 0.2522, 0.3746

Triad

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



30.8244, 0.3048, 0.4231



30.8244, 0.2208, 0.2406



30.8244, 0.4173, 0.3299

Complementary

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



30.8244, 0.3048, 0.4231



20.9382, 0.3214, 0.2501

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.



30.8244, 0.3720, 0.2872



30.8244, 0.3048, 0.4231



30.8244, 0.2572, 0.2377

Square

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



30.8244, 0.3048, 0.4231



30.8244, 0.2071, 0.2661



30.8244, 0.3118, 0.2545



30.8244, 0.4306, 0.3757

Rectangle

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



30.8244, 0.3048, 0.4231



30.8244, 0.2266, 0.3338



30.8244, 0.3118, 0.2545



30.8244, 0.4051, 0.3150

Sweetspot

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



30.8257, 0.3048, 0.4231



63.4116, 0.3105, 0.3528



35.1095, 0.3599, 0.4148



13.7582, 0.3102, 0.3562



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.



30.8257, 0.3048, 0.4231



54.1258, 0.3030, 0.4492



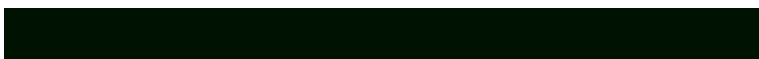
31.5501, 0.2828, 0.3715



7.9028, 0.3107, 0.3505



20.3806, 0.2984, 0.5941



0.4305, 0.2908, 0.5671

Inverse Universe

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



20.9382, 0.3214, 0.2501



33.3454, 0.3238, 0.2327



20.0590, 0.3578, 0.2905



7.1935, 0.3148, 0.3084



7.8015, 0.3392, 0.1642



0.1663, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 30.8244, 0.3048, 0.4231 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 30.8244, 0.3048, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

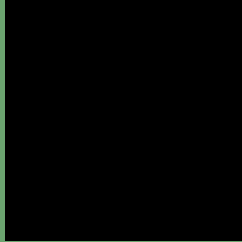
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8244, 0.3048, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 30.8244, 0.3048, 0.4231.



This preview shows how white text looks on a background with the Yxy color 30.8244, 0.3048, 0.4231.

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

30.8244, 0.3048, 0.4231

Protanopia

30.5140, 0.3700, 0.3982

Deuteranopia

30.4144, 0.3784, 0.3716



Tritanopia

30.8301, 0.2680, 0.3095

Trichromacy



Original Color

30.8244, 0.3048, 0.4231

Protanomaly

30.2550, 0.3441, 0.4078

Deuteranomaly

29.9274, 0.3486, 0.3883

Tritanomaly

30.8571, 0.2812, 0.3492

Monochromacy



Original Color

30.8244, 0.3048, 0.4231

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7737, 0.3102, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8244, 0.3048, 0.4231 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(107, 164, 111)` looks like.

```
.text, #text, p{  
  color:rgb(107, 164, 111)  
}
```

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(107, 164, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 164, 111) }
```

Border

The CSS property to change the border of an element to Yxy 30.8244, 0.3048, 0.4231 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(107, 164, 111) }
```

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

```
.border{ border-color:rgb(107, 164, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 164, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 164, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 164, 111);  
box-shadow:4px 4px 4px 4px rgb(107, 164,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8244, 0.3048, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 164, 111) }
```

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

```
.background{ background-color: rgb(107,  
164, 111) }
```

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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