

Converting Colors

$Yxy(31.8774, 0.2981, 0.4216)$

Have a look what the booklet for
Yxy(31.8774, 0.2981, 0.4216)
contains.

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Color

Yxy(31.7588, 0.2984, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	67A773
RGB	103, 167, 115
RGB Percent	40%, 65%, 45%
CMY	0.5959, 0.3451, 0.5490
CMYK	0.38, 0.00, 0.31, 0.35
HSL	131°, 27%, 53%
HSV	131°, 38%, 65%
XYZ	22.5103, 31.7588, 21.1675
YIQ	141.9360, -21.4520, -29.7400

Conversions

Conversions Part 2

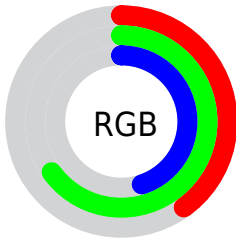
Format	Color
RYB	103, 157, 167
Decimal	6793075
CIELab	63.14, -31.78, 20.59
CIELCh	63, 37.872, 147.059
Yxy	31.7588, 0.2984, 0.4210
Android (android.graphics.Color)	4284983155 (0xFF67A773)
YUV	141.9360, -13.2794, -34.1469
Hunter-Lab	56.3549, -27.3216, 17.1785

Details

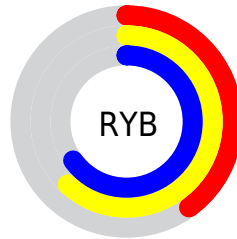
The Yxy color **31.7588, 0.2984, 0.4210** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.2897, 0.3317, 0.2520**, and the grayscale version is **27.0874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6333, 0.3020, 0.4018**, and **13.1318, 0.2910, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **30.5790, 0.2954, 0.4503**, and if you desaturate by 10%, it is **33.1845, 0.3019, 0.3935**.

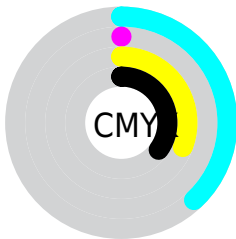
Distribution



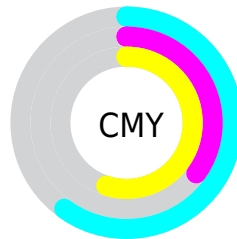
- Red (40%)
- Green (65%)
- Blue (45%)



- Red (40%)
- Yellow (62%)
- Blue (65%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)



- Cyan (60%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7588, 0.2984, 0.4210 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 31.7588, 0.2984, 0.4210 by changing the saturation by 10% instead.


 31.7588, 0.2984,
0.4210


 31.7588, 0.2984,
0.4210


310.0190, 0.3073,
0.3696

 21.1773, 0.2954,
0.4359


 62.4328, 0.3022,
0.4009

 13.2537, 0.2910,
0.4564

 83.2941, 0.3034,
0.3938

 7.6035, 0.2839,
0.4864


 108.3508, 0.3044,
0.3879

 3.8423, 0.2712,
0.5338

 137.9873, 0.3052,
0.3831

 1.5857, 0.2597,
0.6784

172.5879, 0.3059,
0.3789

 0.3480, 0.0000,
1.0000

212.5372, 0.3064,

 0.0000, 0.0000,

0.3754

0.0000

258.2194, 0.3069,
0.3723

■ 31.7588, 0.2984,
0.4210

■ 31.7588, 0.2984,
0.4210

■ 30.5790, 0.2954,
0.4503

■ 33.1845, 0.3019,
0.3935

■ 29.6274, 0.2931,
0.4804

■ 34.8648, 0.3057,
0.3683

■ 28.8899, 0.2917,
0.5099

■ 36.8129, 0.3095,
0.3457


■ 28.3497, 0.2916,
0.5372

■ 39.0398, 0.3134,
0.3258

■ 27.9867, 0.2926,
0.5604

■ 41.5560, 0.3170,
0.3083

 27.7678, 0.2945,
0.5785

 44.3715, 0.3205,
0.2931

 27.7367, 0.2947,
0.5811

 47.4955, 0.3238,
0.2799

 50.9372, 0.3269,
0.2684

 54.7052, 0.3297,
0.2585

Harmonies

Analogous

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



31.7588, 0.3571, 0.4389



31.7588, 0.2984, 0.4210



31.7588, 0.2464, 0.3689

Triad

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



31.7588, 0.2984, 0.4210



31.7588, 0.2223, 0.2379



31.7588, 0.4222, 0.3347

Complementary

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



31.7588, 0.2984, 0.4210



20.2897, 0.3317, 0.2520

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.



31.7588, 0.3789, 0.2908



31.7588, 0.2984, 0.4210



31.7588, 0.2615, 0.2373

Square

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



31.7588, 0.2984, 0.4210



31.7588, 0.2059, 0.2612



31.7588, 0.3182, 0.2563



31.7588, 0.4318, 0.3810

Rectangle

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



31.7588, 0.2984, 0.4210



31.7588, 0.2221, 0.3272



31.7588, 0.3182, 0.2563



31.7588, 0.4109, 0.3195

Sweetspot

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



31.7601, 0.2984, 0.4210



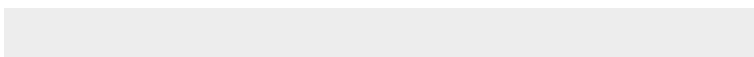
64.8706, 0.3084, 0.3520



35.6117, 0.3569, 0.4260



14.4137, 0.3079, 0.3549



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.



31.7601, 0.2984, 0.4210



55.0516, 0.2958, 0.4459



32.6205, 0.2747, 0.3634



8.4299, 0.3092, 0.3479



21.2309, 0.2944, 0.5797



0.5229, 0.2790, 0.5244

Inverse Universe

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



20.2897, 0.3317, 0.2520



31.5272, 0.3371, 0.2356



19.3599, 0.3750, 0.2977



7.6422, 0.3165, 0.3108



7.6474, 0.3738, 0.1833



0.1921, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 31.7588, 0.2984, 0.4210 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 31.7588, 0.2984, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

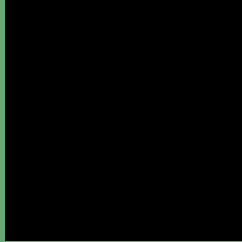
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7588, 0.2984, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 31.7588, 0.2984, 0.4210.



This preview shows how white text looks on a background with the Yxy color 31.7588, 0.2984, 0.4210.

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

31.7588, 0.2984, 0.4210

Protanopia

31.4317, 0.3684, 0.3959

Deuteranopia

31.3788, 0.3744, 0.3668



Tritanopia

31.8036, 0.2633, 0.3081

Trichromacy



Original Color

31.7588, 0.2984, 0.4210

Protanomaly

31.0124, 0.3399, 0.4041

Deuteranomaly

30.9985, 0.3438, 0.3862

Tritanomaly

31.8409, 0.2762, 0.3473

Monochromacy



Original Color

31.7588, 0.2984, 0.4210

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3884, 0.3072, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7588, 0.2984, 0.4210 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(103, 167, 115)` looks like.

```
.text, #text, p{  
    color:rgb(103, 167, 115)  
}
```

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(103, 167, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 167, 115) }
```

Border

The CSS property to change the border of an element to Yxy 31.7588, 0.2984, 0.4210 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(103, 167, 115) }
```

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

```
.border{ border-color:rgb(103, 167, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 167, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 167, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 167, 115);  
box-shadow:4px 4px 4px 4px rgb(103, 167,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7588, 0.2984, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 167, 115) }
```

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

```
.background{ background-color: rgb(103,  
167, 115) }
```

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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