

Converting Colors

Yxy(31.5746, 0.3448, 0.4778)

Have a look what the booklet for
Yxy(31.5746, 0.3448, 0.4778)
contains.

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Color

Yxy(31.5696, 0.3448, 0.4777)

Conversions

Conversions Part 1

Format	Color
Hex	7AA54C
RGB	122, 165, 76
RGB Percent	48%, 65%, 30%
CMY	0.5215, 0.3529, 0.7019
CMYK	0.26, 0.00, 0.54, 0.35
HSL	89°, 37%, 47%
HSV	89°, 54%, 65%
XYZ	22.7867, 31.5696, 11.7304
YIQ	141.9970, 2.9410, -36.7950

Conversions

Conversions Part 2

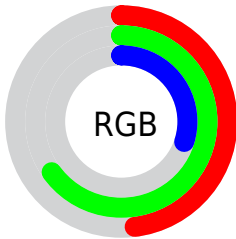
Format	Color
RYB	76, 165, 119
Decimal	8037708
CIELab	62.99, -29.84, 41.02
CIELCh	63, 50.724, 126.040
Yxy	31.5696, 0.3448, 0.4777
Android (android.graphics.Color)	4286227788 (0xFF7AA54C)
YUV	141.9970, -32.5365, -17.5374
Hunter-Lab	56.1868, -25.9359, 26.9525

Details

The Yxy color **31.5696, 0.3448, 0.4777** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.8079, 0.2582, 0.1795**, and the grayscale version is **27.1807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9488, 0.3409, 0.4463**, and **13.1869, 0.3465, 0.5302** is the 20% darker color. If you saturate the color by 10%, you get **30.8119, 0.3473, 0.5047**, and if you desaturate by 10%, it is **32.4367, 0.3406, 0.4489**.

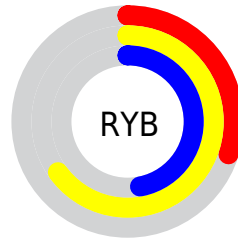
Distribution



Red (48%)

Green (65%)

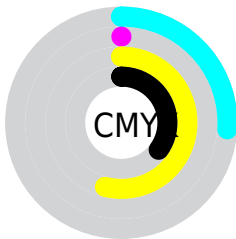
Blue (30%)



Red (30%)

Yellow (65%)

Blue (47%)

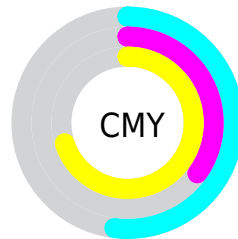


Cyan (26%)

Magenta (0%)

Yellow (54%)

Black (35%)



Cyan (52%)

Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5696, 0.3448, 0.4777 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 31.5696, 0.3448, 0.4777 by changing the saturation by 10% instead.


 31.5696, 0.3448,
0.4777


 31.5696, 0.3448,
0.4777


309.1539, 0.3315,
0.3954


 21.0330, 0.3463,
0.5004


 62.1357, 0.3411,
0.4460

 13.1481, 0.3467,
0.5305


 82.9340, 0.3393,
0.4346


 7.5306, 0.3439,
0.5715


 107.9217, 0.3376,
0.4252

 3.7961, 0.3458,
0.6542

 137.4831, 0.3362,
0.4173

 1.5602, 0.2902,
0.7098

 172.0026, 0.3348,
0.4106

 0.3305, 0.0000,
1.0000

211.8647, 0.3336,

 0.0000, 0.0000,

0.4048

0.0000

257.4536, 0.3325,
0.3998

■ 31.5696, 0.3448,
0.4777

■ 31.5696, 0.3448,
0.4777

■ 30.8119, 0.3473,
0.5047

■ 32.4367, 0.3406,
0.4489

■ 30.1536, 0.3478,
0.5285

■ 33.4142, 0.3352,
0.4197

■ 29.5898, 0.3461,
0.5478

■ 34.5083, 0.3290,
0.3911

■ 29.1128, 0.3423,
0.5618

■ 35.7235, 0.3223,
0.3638

■ 28.8559, 0.3395,
0.5686

■ 37.0640, 0.3154,
0.3384

■ 38.5338, 0.3086,
0.3151

■ 40.1367, 0.3020,
0.2940

■ 41.8763, 0.2957,
0.2750

■ 43.7560, 0.2898,
0.2579

Harmonies

Analogous

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



31.5696, 0.4162, 0.4591



31.5696, 0.3448, 0.4777



31.5696, 0.2689, 0.4389

Triad

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



31.5696, 0.3448, 0.4777



31.5696, 0.1787, 0.2267



31.5696, 0.4226, 0.2937

Complementary

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



31.5696, 0.3448, 0.4777



11.8079, 0.2582, 0.1795

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.



31.5696, 0.3437, 0.2466



31.5696, 0.3448, 0.4777



31.5696, 0.2076, 0.2084

Square

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



31.5696, 0.3448, 0.4777



31.5696, 0.1787, 0.2763



31.5696, 0.2646, 0.2164



31.5696, 0.4682, 0.3502

Rectangle

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



31.5696, 0.3448, 0.4777



31.5696, 0.2262, 0.3856



31.5696, 0.2646, 0.2164



31.5696, 0.3984, 0.2766

Sweetspot

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



31.5710, 0.3448, 0.4777



63.4442, 0.3239, 0.3701



21.3693, 0.4277, 0.3932



13.7766, 0.3252, 0.3753



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.



31.5710, 0.3448, 0.4777



54.8997, 0.3476, 0.5104



29.0938, 0.3070, 0.4966



8.0666, 0.3191, 0.3517



21.8592, 0.3402, 0.5681



0.4873, 0.3687, 0.5455

Inverse Universe

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



11.8079, 0.2582, 0.1795



15.6644, 0.2419, 0.1465



15.5712, 0.3146, 0.2018



7.0200, 0.3059, 0.3063



3.3653, 0.2009, 0.0881



0.0988, 0.2431, 0.1113

Previews

White Background



This preview shows how the Yxy color 31.5696, 0.3448, 0.4777 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 31.5696, 0.3448, 0.4777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

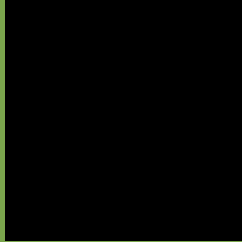
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5696, 0.3448, 0.4777

Background



This preview shows how black text looks on a background with the Yxy color 31.5696, 0.3448, 0.4777.



This preview shows how white text looks on a background with the Yxy color 31.5696, 0.3448, 0.4777.

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

31.5696, 0.3448, 0.4777

Protanopia

31.2492, 0.4052, 0.4435

Deuteranopia

31.2840, 0.4232, 0.4155



Tritanopia

31.4207, 0.2827, 0.3087

Trichromacy



Original Color

31.5696, 0.3448, 0.4777

Protanomaly

31.1743, 0.3819, 0.4575

Deuteranomaly

30.8075, 0.3939, 0.4374

Tritanomaly

31.2914, 0.3061, 0.3687

Monochromacy



Original Color

31.5696, 0.3448, 0.4777

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2716, 0.3276, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5696, 0.3448, 0.4777 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(122, 165, 76)` looks like.

```
.text, #text, p{  
    color:rgb(122, 165, 76)  
}
```

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(122, 165, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 165, 76) }
```

Border

The CSS property to change the border of an element to Yxy 31.5696, 0.3448, 0.4777 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(122, 165, 76) }
```

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

```
.border{ border-color:rgb(122, 165, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 165, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 165, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 165, 76);  
box-shadow:4px 4px 4px 4px rgb(122, 165,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5696, 0.3448, 0.4777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 165, 76) }
```

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

```
.background{ background-color: rgb(122,  
165, 76) }
```

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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