

Converting Colors

$Yxy(31.1081, 0.3116, 0.4123)$

Have a look what the booklet for
Yxy(31.1081, 0.3116, 0.4123)
contains.

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Color

Yxy(31.2608, 0.3123, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	76A372
RGB	118, 163, 114
RGB Percent	46%, 64%, 45%
CMY	0.5373, 0.3608, 0.5528
CMYK	0.28, 0.00, 0.30, 0.36
HSL	115°, 21%, 54%
HSV	115°, 30%, 64%
XYZ	23.6043, 31.2608, 20.7171
YIQ	143.9590, -11.0910, -24.7790

Conversions

Conversions Part 2

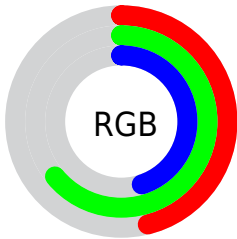
Format	Color
RYB	114, 163, 159
Decimal	7775090
CIELab	62.73, -25.06, 20.70
CIELCh	63, 32.505, 140.435
Yxy	31.2608, 0.3123, 0.4136
Android (android.graphics.Color)	4285965170 (0xFF76A372)
YUV	143.9590, -14.7698, -22.7660
Hunter-Lab	55.9114, -22.4868, 17.1690

Details

The Yxy color **31.2608, 0.3123, 0.4136** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0622, 0.3115, 0.2551**, and the grayscale version is **27.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5539, 0.3131, 0.3954**, and **12.9912, 0.3097, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **29.9564, 0.3116, 0.4471**, and if you desaturate by 10%, it is **32.8007, 0.3127, 0.3824**.

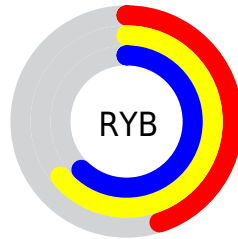
Distribution



Red (46%)

Green (64%)

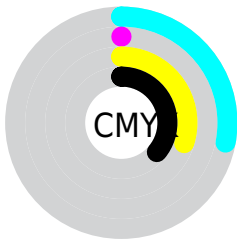
Blue (45%)



Red (45%)

Yellow (64%)

Blue (62%)

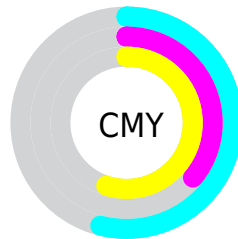


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (36%)



Cyan (54%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2608, 0.3123, 0.4136 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 31.2608, 0.3123, 0.4136 by changing the saturation by 10% instead.


 31.2608, 0.3123,
0.4136


 31.2608, 0.3123,
0.4136


307.7380, 0.3136,
0.3666


 20.7975, 0.3114,
0.4271


 61.6504, 0.3131,
0.3952


 12.9761, 0.3099,
0.4458


 82.3456, 0.3133,
0.3887

 7.4121, 0.3069,
0.4728


 107.2202, 0.3135,
0.3834

 3.7211, 0.3006,
0.5152

 136.6585, 0.3135,
0.3789

 1.5188, 0.3118,
0.6510

171.0451, 0.3136,
0.3751

 0.3019, 0.0000,
1.0000

210.7643, 0.3136,

 0.0000, 0.0000,

0.3719

0.0000

256.2005, 0.3136,
0.3690

■ 31.2608, 0.3123,
0.4136

■ 31.2608, 0.3123,
0.4136

■ 29.9564, 0.3116,
0.4471

■ 32.8007, 0.3127,
0.3824

■ 28.8721, 0.3106,
0.4816

■ 34.5828, 0.3128,
0.3542

■ 27.9970, 0.3093,
0.5152


■ 36.6182, 0.3127,
0.3291

■ 27.3174, 0.3075,
0.5457


■ 38.9164, 0.3125,
0.3071


■ 26.8184, 0.3056,
0.5705

■ 41.4863, 0.3122,
0.2880


 26.4825, 0.3036,
0.5879

 44.3363, 0.3119,
0.2715

 26.2834, 0.3020,
0.5984

 47.4746, 0.3115,
0.2572

 50.9089, 0.3112,
0.2448

 54.2720, 0.3152,
0.2389

Harmonies

Analogous

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



31.2608, 0.3627, 0.4226



31.2608, 0.3123, 0.4136



31.2608, 0.2644, 0.3746

Triad

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



31.2608, 0.3123, 0.4136



31.2608, 0.2286, 0.2524



31.2608, 0.4009, 0.3259

Complementary

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



31.2608, 0.3123, 0.4136



22.0622, 0.3115, 0.2551

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.



31.2608, 0.3591, 0.2882



31.2608, 0.3123, 0.4136



31.2608, 0.2592, 0.2471

Square

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



31.2608, 0.3123, 0.4136



31.2608, 0.2188, 0.2780



31.2608, 0.3062, 0.2602



31.2608, 0.4165, 0.3669

Rectangle

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



31.2608, 0.3123, 0.4136



31.2608, 0.2400, 0.3398



31.2608, 0.3062, 0.2602



31.2608, 0.3893, 0.3127

Sweetspot

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



31.2621, 0.3123, 0.4136



62.2322, 0.3128, 0.3519



33.7732, 0.3586, 0.3967



13.8697, 0.3128, 0.3556



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.



31.2621, 0.3123, 0.4136



54.3897, 0.3119, 0.4356



31.5094, 0.2923, 0.3778



7.9211, 0.3128, 0.3521



20.4341, 0.3023, 0.5982



0.4371, 0.3129, 0.5897

Inverse Universe

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



22.0622, 0.3115, 0.2551



35.2427, 0.3109, 0.2388



21.7990, 0.3405, 0.2849



7.1730, 0.3125, 0.3068



7.0933, 0.3011, 0.1432



0.1570, 0.3088, 0.1475

Previews

White Background



This preview shows how the Yxy color 31.2608, 0.3123, 0.4136 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 31.2608, 0.3123, 0.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

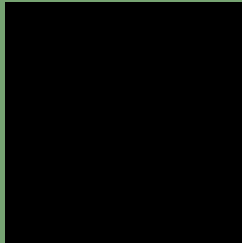
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2608, 0.3123, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 31.2608, 0.3123, 0.4136.



This preview shows how white text looks on a background with the Yxy color 31.2608, 0.3123, 0.4136.

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

31.2608, 0.3123, 0.4136

Protanopia

31.0239, 0.3667, 0.3933

Deuteranopia

30.9059, 0.3759, 0.3685



Tritanopia

31.2307, 0.2760, 0.3084

Trichromacy



Original Color

31.2608, 0.3123, 0.4136

Protanomaly

30.7934, 0.3458, 0.3999

Deuteranomaly

30.8087, 0.3508, 0.3839

Tritanomaly

31.2513, 0.2889, 0.3454

Monochromacy



Original Color

31.2608, 0.3123, 0.4136

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9776, 0.3133, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2608, 0.3123, 0.4136 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(118, 163, 114)` looks like.

```
.text, #text, p{  
    color:rgb(118, 163, 114)  
}
```

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(118, 163, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 163, 114) }
```

Border

The CSS property to change the border of an element to Yxy 31.2608, 0.3123, 0.4136 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(118, 163, 114) }
```

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

```
.border{ border-color:rgb(118, 163, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 163, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 163, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 163, 114);  
box-shadow:4px 4px 4px 4px rgb(118, 163,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2608, 0.3123, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 163, 114) }
```

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

```
.background{ background-color: rgb(118,  
163, 114) }
```

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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