

Converting Colors

Yxy(31.8388, 0.3256, 0.4464)

Have a look what the booklet for
Yxy(31.8388, 0.3256, 0.4464)
contains.

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Color

Yxy(31.9871, 0.3253, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	76A661
RGB	118, 166, 97
RGB Percent	46%, 65%, 38%
CMY	0.5374, 0.3490, 0.6195
CMYK	0.29, 0.00, 0.42, 0.35
HSL	102°, 28%, 52%
HSV	102°, 42%, 65%
XYZ	23.2627, 31.9871, 16.2617
YIQ	143.7820, -6.4590, -31.6350

Conversions

Conversions Part 2

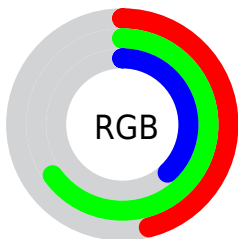
Format	Color
RYB	97, 166, 145
Decimal	7775841
CIELab	63.33, -29.19, 30.67
CIElCh	63, 42.338, 133.586
Yxy	31.9871, 0.3253, 0.4473
Android (android.graphics.Color)	4285965921 (0xFF76A661)
YUV	143.7820, -23.0635, -22.6108
Hunter-Lab	56.5571, -25.5556, 22.5425

Details

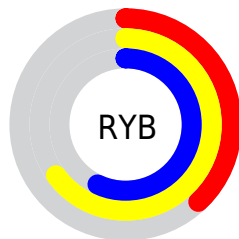
The Yxy color **31.9871, 0.3253, 0.4473** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.3317, 0.2914, 0.2211**, and the grayscale version is **27.8929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6535, 0.3243, 0.4207**, and **13.4497, 0.3247, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **30.9504, 0.3266, 0.4793**, and if you desaturate by 10%, it is **33.1906, 0.3230, 0.4158**.

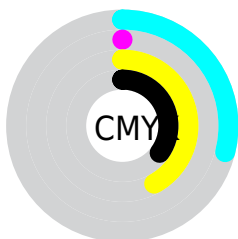
Distribution



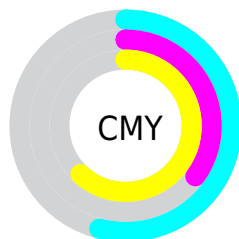
- Red (46%)
- Green (65%)
- Blue (38%)



- Red (38%)
- Yellow (65%)
- Blue (57%)



- Cyan (29%)
- Magenta (0%)
- Yellow (42%)
- Black (35%)




- Cyan (54%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9871, 0.3253, 0.4473 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 31.9871, 0.3253, 0.4473 by changing the saturation by 10% instead.


 31.9871, 0.3253,
0.4473


 31.9871, 0.3253,
0.4473


311.0605, 0.3208,
0.3815

 21.3516, 0.3254,
0.4660


 62.7909, 0.3243,
0.4217


 13.3813, 0.3248,
0.4915


 83.7280, 0.3237,
0.4126

 7.6916, 0.3221,
0.5277


 108.8677, 0.3231,
0.4051

 3.8983, 0.3152,
0.5846

 138.5946, 0.3226,
0.3988

 1.6168, 0.2992,
0.7008

173.2929, 0.3221,
0.3935

 0.3689, 0.0000,
1.0000

213.3470, 0.3216,

 0.0000, 0.0000,

0.3889

0.0000

259.1414, 0.3212,
0.3850

■ 31.9871, 0.3253,
0.4473

■ 31.9871, 0.3253,
0.4473

■ 30.9504, 0.3266,
0.4793

■ 33.1906, 0.3230,
0.4158

■ 30.0686, 0.3268,
0.5101

■ 34.5638, 0.3201,
0.3857

■ 29.3348, 0.3255,
0.5380


■ 36.1148, 0.3168,
0.3580


■ 28.7399, 0.3228,
0.5611


■ 37.8499, 0.3133,
0.3327

■ 28.2734, 0.3187,
0.5780

■ 39.7750, 0.3097,
0.3101

 27.9642, 0.3149,
0.5881

 41.8959, 0.3062,
0.2899

 44.2179, 0.3028,
0.2722

 46.7465, 0.2996,
0.2565

 49.4865, 0.2966,
0.2428

Harmonies

Analogous

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



31.9871, 0.3880, 0.4460



31.9871, 0.3253, 0.4473



31.9871, 0.2625, 0.4036

Triad

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



31.9871, 0.3253, 0.4473



31.9871, 0.2020, 0.2364



31.9871, 0.4171, 0.3120

Complementary

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



31.9871, 0.3253, 0.4473



17.3317, 0.2914, 0.2211

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.



31.9871, 0.3567, 0.2680



31.9871, 0.3253, 0.4473



31.9871, 0.2337, 0.2256

Square

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



31.9871, 0.3253, 0.4473



31.9871, 0.1958, 0.2731



31.9871, 0.2885, 0.2374



31.9871, 0.4456, 0.3624

Rectangle

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



31.9871, 0.3253, 0.4473



31.9871, 0.2291, 0.3580



31.9871, 0.2885, 0.2374



31.9871, 0.3995, 0.2963

Sweetspot

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



31.9885, 0.3253, 0.4473



65.3398, 0.3170, 0.3597



28.9671, 0.3857, 0.4007



14.5404, 0.3174, 0.3631



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.



31.9885, 0.3253, 0.4473



56.2754, 0.3266, 0.4773



30.9367, 0.2976, 0.4308



8.5141, 0.3160, 0.3520



21.7044, 0.3155, 0.5877



0.5545, 0.3421, 0.5666

Inverse Universe

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



17.3317, 0.2914, 0.2211



25.9717, 0.2848, 0.1966



18.9729, 0.3333, 0.2453



7.5506, 0.3091, 0.3064



5.0178, 0.2466, 0.1132



0.1470, 0.2723, 0.1274

Previews

White Background



This preview shows how the Yxy color 31.9871, 0.3253, 0.4473 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 31.9871, 0.3253, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

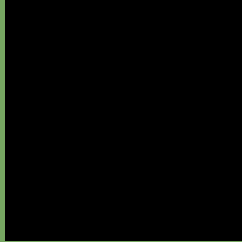
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9871, 0.3253, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 31.9871, 0.3253, 0.4473.



This preview shows how white text looks on a background with the Yxy color 31.9871, 0.3253, 0.4473.

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

31.9871, 0.3253, 0.4473

Protanopia

31.7707, 0.3863, 0.4194

Deuteranopia

31.5844, 0.3988, 0.3911



Tritanopia

31.7620, 0.2770, 0.3086

Trichromacy



Original Color

31.9871, 0.3253, 0.4473

Protanomaly

31.6514, 0.3620, 0.4301

Deuteranomaly

31.0735, 0.3700, 0.4108

Tritanomaly

31.5604, 0.2956, 0.3570

Monochromacy



Original Color

31.9871, 0.3253, 0.4473

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1397, 0.3188, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9871, 0.3253, 0.4473 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, 166, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 97)  
}
```

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, 166, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 97) }
```

Border

The CSS property to change the border of an element to Yxy 31.9871, 0.3253, 0.4473 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, 166, 97) }
```

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

```
.border{ border-color:rgb(118, 166, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9871, 0.3253, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 97) }
```

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

```
.background{ background-color: rgb(118,  
166, 97) }
```

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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