

Converting Colors

$Yxy(31.7093, 0.3786, 0.5365)$

Have a look what the booklet for
Yxy(31.7093, 0.3786, 0.5365)
contains.

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Color

Yxy(31.7910, 0.3782, 0.5367)

Conversions

Conversions Part 1

Format	Color
Hex	7FA603
RGB	127, 166, 3
RGB Percent	50%, 65%, 1%
CMY	0.5021, 0.3490, 0.9883
CMYK	0.24, 0.00, 0.98, 0.35
HSL	74°, 96%, 33%
HSV	74°, 98%, 65%
XYZ	22.4024, 31.7910, 5.0408
YIQ	135.7570, 29.0790, -58.9610

Conversions

Conversions Part 2

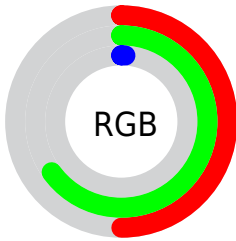
Format	Color
R_YB	3, 166, 42
Decimal	8365571
CIE Lab	63.17, -32.39, 64.69
CIE LCh	63, 72.343, 116.601
Yxy	31.7910, 0.3782, 0.5367
Android (android.graphics.Color)	4286555651 (0xFF7FA603)
YUV	135.7570, -65.4492, -7.6799
Hunter-Lab	56.3835, -27.7493, 34.1678

Details

The Yxy color **31.7910, 0.3782, 0.5367** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3109, 0.1658, 0.0697**, and the grayscale version is **24.7648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4251, 0.3731, 0.4964**, and **13.4123, 0.3586, 0.5535** is the 20% darker color. If you saturate the color by 10%, you get **31.7312, 0.3779, 0.5382**, and if you desaturate by 10%, it is **32.1461, 0.3796, 0.5280**.

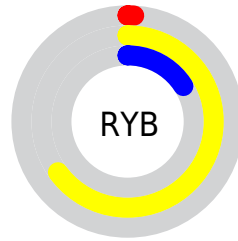
Distribution



Red (50%)

Green (65%)

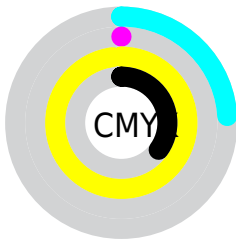
Blue (1%)



Red (1%)

Yellow (65%)

Blue (16%)

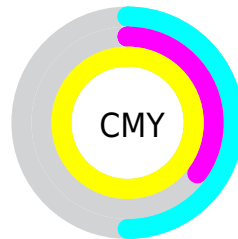


Cyan (24%)

Magenta (0%)

Yellow (98%)

Black (35%)



Cyan (50%)


Magenta (35%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7910, 0.3782, 0.5367 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 31.7910, 0.3782, 0.5367 by changing the saturation by 10% instead.


 31.7910, 0.3782,
0.5367


 31.7910, 0.3782,
0.5367


310.1661, 0.3540,
0.4269

 21.2019, 0.3787,
0.5626


 62.4833, 0.3729,
0.4970

 13.2717, 0.3756,
0.5939


 83.3553, 0.3698,
0.4819

 7.6159, 0.3662,
0.6338


 108.4237, 0.3667,
0.4690

 3.8502, 0.3341,
0.6659

 138.0730, 0.3637,
0.4581

 1.5901, 0.2723,
0.7277

 172.6874, 0.3610,
0.4486


 0.3509, 0.0000,
1.0000


 212.6515, 0.3585,


 0.0000, 0.0000,


0.4404


0.0000


 258.3496, 0.3562,
0.4332

 31.7910, 0.3782,
0.5367


 31.7910, 0.3782,
0.5367


 31.7312, 0.3779,
0.5382

 32.1461, 0.3796,
0.5280

 32.5489, 0.3788,
0.5151

 33.0112, 0.3756,
0.4978

 33.5387, 0.3699,
0.4766

 34.1366, 0.3623,
0.4527

■ 34.8093, 0.3532,
0.4269

■ 35.5609, 0.3430,
0.4005

■ 36.3952, 0.3323,
0.3742

■ 37.3156, 0.3215,
0.3488

Harmonies

Analogous

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



31.7910, 0.4698, 0.4761



31.7910, 0.3782, 0.5367



31.7910, 0.2764, 0.5217

Triad

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



31.7910, 0.3782, 0.5367



31.7910, 0.1331, 0.2031



31.7910, 0.4351, 0.2574

Complementary

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



31.7910, 0.3782, 0.5367



3.3109, 0.1658, 0.0697

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.



31.7910, 0.3165, 0.2042



31.7910, 0.3782, 0.5367



31.7910, 0.1576, 0.1722

Square

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



31.7910, 0.3782, 0.5367



31.7910, 0.1418, 0.2802



31.7910, 0.2176, 0.1744



31.7910, 0.5190, 0.3244

Rectangle

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



31.7910, 0.3782, 0.5367



31.7910, 0.2151, 0.4524



31.7910, 0.2176, 0.1744



31.7910, 0.3963, 0.2376

Sweetspot

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



31.7924, 0.3782, 0.5367



64.3412, 0.3444, 0.4040



9.7020, 0.6052, 0.3550



14.2706, 0.3487, 0.4149



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.



31.7924, 0.3782, 0.5367



57.4806, 0.3771, 0.5388



27.8737, 0.3125, 0.5885



8.6820, 0.3227, 0.3516



24.6254, 0.3783, 0.5379



0.6205, 0.3926, 0.5264

Inverse Universe

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



3.3109, 0.1658, 0.0697



5.7240, 0.1627, 0.0670



6.9951, 0.2561, 0.1193



7.3840, 0.3022, 0.3059



2.4995, 0.1648, 0.0681



0.0835, 0.1987, 0.0868

Previews

White Background



This preview shows how the Yxy color 31.7910, 0.3782, 0.5367 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 31.7910, 0.3782, 0.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

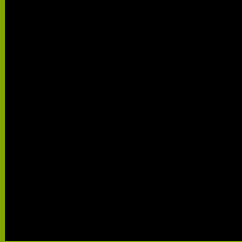
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7910, 0.3782, 0.5367

Background



This preview shows how black text looks on a background with the Yxy color 31.7910, 0.3782, 0.5367.



This preview shows how white text looks on a background with the Yxy color 31.7910, 0.3782, 0.5367.

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

31.7910, 0.3782, 0.5367

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

31.5510, 0.4633, 0.4554



Tritanopia

31.6520, 0.2898, 0.3090

Trichromacy



Original Color

31.7910, 0.3782, 0.5367

Protanomaly

31.5238, 0.4170, 0.5067

Deuteranomaly

31.1578, 0.4320, 0.4865

Tritanomaly

30.8336, 0.3379, 0.4135

Monochromacy



Original Color

31.7910, 0.3782, 0.5367

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.5586, 0.3548, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7910, 0.3782, 0.5367 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(127, 166, 3)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 3)  
}
```

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(127, 166, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 3) }
```

Border

The CSS property to change the border of an element to Yxy 31.7910, 0.3782, 0.5367 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(127, 166, 3) }
```

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

```
.border{ border-color:rgb(127, 166, 3) }
```

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

Here you see how a box with a 4 pixel rgb(127, 166, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 3);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7910, 0.3782, 0.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 3) }
```

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

```
.background{ background-color: rgb(127,  
166, 3) }
```

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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