

Converting Colors

$Y_{xy}(31.7370, 0.3537, 0.4328)$

Have a look what the booklet for
Yxy(31.7370, 0.3537, 0.4328)
contains.

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Color

Yxy(31.8075, 0.3539, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	8FA05F
RGB	143, 160, 95
RGB Percent	56%, 63%, 37%
CMY	0.4391, 0.3726, 0.6274
CMYK	0.11, 0.00, 0.41, 0.37
HSL	76°, 25%, 50%
HSV	76°, 41%, 63%
XYZ	25.9670, 31.8075, 15.5992
YIQ	147.5070, 10.7330, -23.8190

Conversions

Conversions Part 2

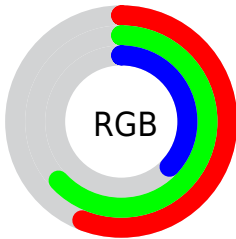
Format	Color
RYB	95, 160, 112
Decimal	9412703
CIELab	63.18, -16.87, 31.87
CIELCh	63, 36.062, 117.893
Yxy	31.8075, 0.3539, 0.4335
Android (android.graphics.Color)	4287602783 (0xFF8FA05F)
YUV	147.5070, -25.8860, -3.9526
Hunter-Lab	56.3981, -16.5114, 23.0796

Details

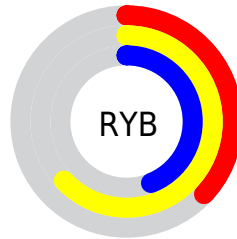
The Yxy color **31.8075, 0.3539, 0.4335** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1682, 0.2579, 0.2135**, and the grayscale version is **29.5070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6820, 0.3473, 0.4125**, and **13.3667, 0.3627, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **31.1810, 0.3623, 0.4592**, and if you desaturate by 10%, it is **32.5105, 0.3443, 0.4070**.

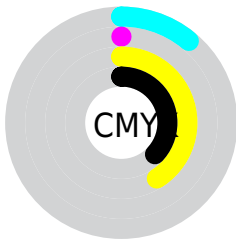
Distribution



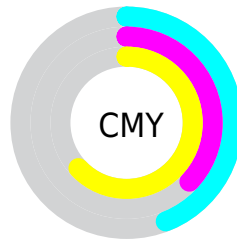
- Red (56%)
- Green (63%)
- Blue (37%)



- Red (37%)
- Yellow (63%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (37%)




- Cyan (44%)
- Magenta (37%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8075, 0.3539, 0.4335 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 31.8075, 0.3539, 0.4335 by changing the saturation by 10% instead.


 31.8075, 0.3539,
0.4335


 31.8075, 0.3539,
0.4335


310.2414, 0.3337,
0.3766


 21.2145, 0.3584,
0.4491


 62.5092, 0.3468,
0.4117


 13.2809, 0.3637,
0.4699


 83.3867, 0.3441,
0.4039

 7.6223, 0.3695,
0.4985


 108.4611, 0.3417,
0.3974

 3.8542, 0.3767,
0.5435

 138.1169, 0.3396,
0.3919

 1.5923, 0.3816,
0.6184

172.7384, 0.3378,
0.3872

 0.3524, 0.0000,
1.0000

212.7101, 0.3363,

 0.0000, 0.0000,

0.3832

0.0000

258.4163, 0.3349,
0.3797

■ 31.8075, 0.3539,
0.4335

■ 31.8075, 0.3539,
0.4335

■ 31.1810, 0.3623,
0.4592

■ 32.5105, 0.3443,
0.4070

■ 30.6228, 0.3691,
0.4829

■ 33.2894, 0.3341,
0.3805

■ 30.1303, 0.3738,
0.5037

■ 34.1486, 0.3237,
0.3548


■ 29.6985, 0.3762,
0.5205


■ 35.0914, 0.3133,
0.3305


■ 29.3220, 0.3761,
0.5327


■ 36.1206, 0.3033,
0.3077

 29.0066, 0.3743,
0.5410

 37.2388, 0.2937,
0.2868

 38.4488, 0.2848,
0.2676

 39.7530, 0.2764,
0.2503

 41.1538, 0.2687,
0.2346

Harmonies

Analogous

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



31.8075, 0.4014, 0.4174



31.8075, 0.3539, 0.4335



31.8075, 0.2978, 0.4151

Triad

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



31.8075, 0.3539, 0.4335



31.8075, 0.2106, 0.2635



31.8075, 0.3772, 0.2937

Complementary

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



31.8075, 0.3539, 0.4335



14.1682, 0.2579, 0.2135

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.



31.8075, 0.3198, 0.2601



31.8075, 0.3539, 0.4335



31.8075, 0.2270, 0.2417

Square

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



31.8075, 0.3539, 0.4335



31.8075, 0.2178, 0.3074



31.8075, 0.2652, 0.2414



31.8075, 0.4176, 0.3361

Rectangle

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



31.8075, 0.3539, 0.4335



31.8075, 0.2633, 0.3842



31.8075, 0.2652, 0.2414



31.8075, 0.3589, 0.2812

Sweetspot

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



31.8089, 0.3539, 0.4335



61.7437, 0.3254, 0.3589



19.7249, 0.4016, 0.3556



13.4993, 0.3266, 0.3619



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8089, 0.3539, 0.4335



56.6897, 0.3618, 0.4575



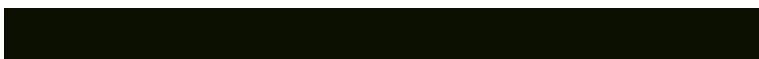
29.3637, 0.3217, 0.4451



7.6331, 0.3223, 0.3514



22.6182, 0.3747, 0.5407



0.4234, 0.3937, 0.5256

Inverse Universe

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



14.1682, 0.2579, 0.2135



20.0689, 0.2420, 0.1834



16.6311, 0.2965, 0.2252



6.5149, 0.3026, 0.3062



2.3761, 0.1674, 0.0696



0.0611, 0.2074, 0.0916

Previews

White Background



This preview shows how the Yxy color 31.8075, 0.3539, 0.4335 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 31.8075, 0.3539, 0.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

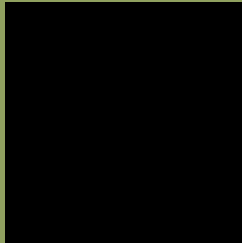
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

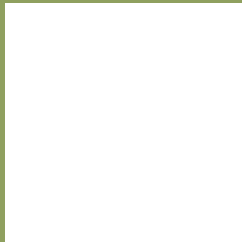
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8075, 0.3539, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 31.8075, 0.3539, 0.4335.



This preview shows how white text looks on a background with the Yxy color 31.8075, 0.3539, 0.4335.

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

31.8075, 0.3539, 0.4335

Protanopia

31.7707, 0.3863, 0.4194

Deuteranopia

31.6300, 0.4039, 0.3962



Tritanopia

31.8122, 0.3018, 0.3109

Trichromacy



Original Color

31.8075, 0.3539, 0.4335

Protanomaly

31.8363, 0.3737, 0.4255

Deuteranomaly

31.4313, 0.3851, 0.4091

Tritanomaly

31.6963, 0.3215, 0.3541

Monochromacy



Original Color

31.8075, 0.3539, 0.4335

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1524, 0.3284, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8075, 0.3539, 0.4335 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(143, 160, 95)` looks like.

```
.text, #text, p{  
    color:rgb(143, 160, 95)  
}
```

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(143, 160, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 160, 95) }
```

Border

The CSS property to change the border of an element to Yxy 31.8075, 0.3539, 0.4335 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(143, 160, 95) }
```

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

```
.border{ border-color:rgb(143, 160, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 160, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 160, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 160, 95);  
box-shadow:4px 4px 4px 4px rgb(143, 160,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8075, 0.3539, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 160, 95) }
```

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

```
.background{ background-color: rgb(143,  
160, 95) }
```

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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