

Converting Colors

$Yxy(31.8559, 0.3619, 0.4512)$

Have a look what the booklet for
Yxy(31.8559, 0.3619, 0.4512)
contains.

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Color

Yxy(31.8806, 0.3613, 0.4517)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8EA154 |
| RGB | 142, 161, 84 |
| RGB Percent | 56%, 63%, 33% |
| CMY | 0.4431, 0.3686, 0.6706 |
| CMYK | 0.12, 0.00, 0.48, 0.37 |
| HSL | 75°, 31%, 48% |
| HSV | 75°, 48%, 63% |
| XYZ | 25.5002, 31.8806, 13.1983 |
| YIQ | 146.5410, 13.3930, -27.9750 |

Conversions

Conversions Part 2

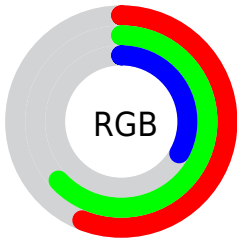
| Format | Color |
|-------------------------------------|---|
| RYB | 84, 161, 103 |
| Decimal | 9347412 |
| CIELab | 63.24, -19.09, 37.65 |
| CIELCh | 63, 42.210, 116.885 |
| Yxy | 31.8806, 0.3613, 0.4517 |
| Android (android.graphics.Color) | 4287537492 (0xFF8EA154) |
| YUV | 146.5410, -30.8327, -3.9825 |
| Hunter-Lab | 56.4629, -18.1944, 25.6649 |

Details

The Yxy color **31.8806, 0.3613, 0.4517** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.7998, 0.2444, 0.1897**, and the grayscale version is **29.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7313, 0.3535, 0.4268**, and **13.2323, 0.3722, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **31.3127, 0.3688, 0.4759**, and if you desaturate by 10%, it is **32.5219, 0.3523, 0.4259**.

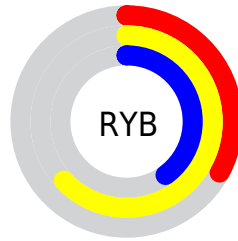
Distribution



Red (56%)

Green (63%)

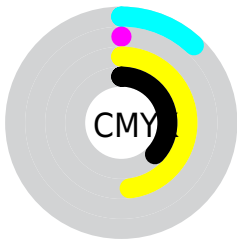
Blue (33%)



Red (33%)

Yellow (63%)

Blue (40%)

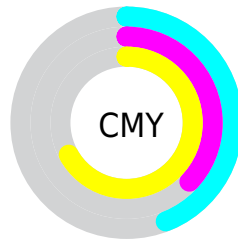


Cyan (12%)

Magenta (0%)

Yellow (48%)

Black (37%)



Cyan (44%)


Magenta (37%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8806, 0.3613, 0.4517 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 31.8806, 0.3613, 0.4517 by changing the saturation by 10% instead.


 31.8806, 0.3613,
0.4517


 31.8806, 0.3613,
0.4517

310.5750, 0.3380,
0.3850

 21.2703, 0.3662,
0.4697


 62.6239, 0.3534,
0.4263


 13.3217, 0.3714,
0.4933


 83.5256, 0.3502,
0.4171


 7.6505, 0.3762,
0.5252


 108.6267, 0.3474,
0.4095

 3.8721, 0.3887,
0.5856

 138.3114, 0.3451,
0.4031

 1.6023, 0.3674,
0.6326

 172.9642, 0.3429,
0.3976

 0.3591, 0.0000,
1.0000

212.9695, 0.3411,

 0.0000, 0.0000,

0.3928

0.0000

258.7116, 0.3394,
0.3887

■ 31.8806, 0.3613,
0.4517

■ 31.8806, 0.3613,
0.4517

■ 31.3127, 0.3688,
0.4759

■ 32.5219, 0.3523,
0.4259

■ 30.8098, 0.3744,
0.4973

■ 33.2360, 0.3422,
0.3994

■ 30.3685, 0.3777,
0.5149


■ 34.0280, 0.3317,
0.3732

■ 29.9835, 0.3785,
0.5282

■ 34.9009, 0.3210,
0.3479


■ 29.6456, 0.3771,
0.5373


■ 35.8579, 0.3105,
0.3239

 29.5750, 0.3767,
0.5391

 36.9017, 0.3003,
0.3016

 38.0352, 0.2907,
0.2812

 39.2608, 0.2817,
0.2625

 40.5811, 0.2734,
0.2455

Harmonies

Analogous

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



31.8806, 0.4162, 0.4292



31.8806, 0.3613, 0.4517



31.8806, 0.2964, 0.4329

Triad

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



31.8806, 0.3613, 0.4517



31.8806, 0.1955, 0.2537



31.8806, 0.3859, 0.2864

Complementary

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



31.8806, 0.3613, 0.4517



11.7998, 0.2444, 0.1897

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.



31.8806, 0.3181, 0.2490



31.8806, 0.3613, 0.4517



31.8806, 0.2131, 0.2288

Square

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



31.8806, 0.3613, 0.4517



31.8806, 0.2040, 0.3047



31.8806, 0.2555, 0.2284



31.8806, 0.4344, 0.3340

Rectangle

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



31.8806, 0.3613, 0.4517



31.8806, 0.2565, 0.3964



31.8806, 0.2555, 0.2284



31.8806, 0.3641, 0.2724

Sweetspot

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



31.8820, 0.3613, 0.4517



61.4771, 0.3279, 0.3640



17.7154, 0.4255, 0.3582



13.4148, 0.3300, 0.3692



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.



31.8820, 0.3613, 0.4517



56.0513, 0.3690, 0.4764



29.1070, 0.3236, 0.4682



8.1488, 0.3225, 0.3515



23.6390, 0.3771, 0.5388



0.5167, 0.3933, 0.5259

Inverse Universe

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



11.7998, 0.2444, 0.1897



15.8518, 0.2262, 0.1571



14.5318, 0.2909, 0.2062



6.9405, 0.3023, 0.3060



2.4281, 0.1657, 0.0686



0.0716, 0.2024, 0.0889

Previews

White Background



This preview shows how the Yxy color 31.8806, 0.3613, 0.4517 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 31.8806, 0.3613, 0.4517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

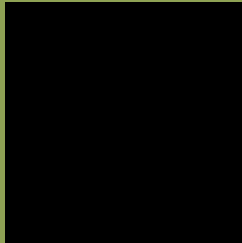
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8806, 0.3613, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 31.8806, 0.3613, 0.4517.



This preview shows how white text looks on a background with the Yxy color 31.8806, 0.3613, 0.4517.

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

31.8806, 0.3613, 0.4517

Protanopia

31.7014, 0.3971, 0.4337

Deuteranopia

31.7015, 0.4159, 0.4083



Tritanopia

31.8122, 0.3018, 0.3109

Trichromacy



Original Color
31.8806, 0.3613, 0.4517

Protanomaly
31.7571, 0.3842, 0.4403

Deuteranomaly
31.3674, 0.3955, 0.4224

Tritanomaly
31.4879, 0.3242, 0.3607

Monochromacy



Original Color
31.8806, 0.3613, 0.4517

Achromatopsia
29.1771, 0.3127, 0.3290

Achromatomaly
29.9315, 0.3321, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8806, 0.3613, 0.4517 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(142, 161, 84)` looks like.

```
.text, #text, p{  
    color:rgb(142, 161, 84)  
}
```

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(142, 161, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 161, 84) }
```

Border

The CSS property to change the border of an element to Yxy 31.8806, 0.3613, 0.4517 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(142, 161, 84) }
```

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

```
.border{ border-color:rgb(142, 161, 84) }
```

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

Here you see how a box with a 4 pixel rgb(142, 161, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 161, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 161, 84);  
box-shadow:4px 4px 4px 4px rgb(142, 161,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8806, 0.3613, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 161, 84) }
```

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

```
.background{ background-color: rgb(142,  
161, 84) }
```

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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