

Converting Colors

$Yxy(31.8137, 0.3629, 0.4629)$

Have a look what the booklet for
Yxy(31.8137, 0.3629, 0.4629)
contains.

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Color

Yxy(31.8797, 0.3622, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	8BA24E
RGB	139, 162, 78
RGB Percent	55%, 64%, 31%
CMY	0.4548, 0.3647, 0.6941
CMYK	0.14, 0.00, 0.52, 0.36
HSL	76°, 35%, 47%
HSV	76°, 52%, 64%
XYZ	24.9445, 31.8797, 12.0453
YIQ	145.5470, 13.2560, -31.0000

Conversions

Conversions Part 2

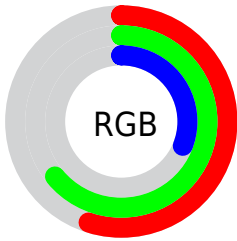
Format	Color
RYB	78, 162, 101
Decimal	9151054
CIELab	63.24, -21.44, 40.62
CIELCh	63, 45.930, 117.832
Yxy	31.8797, 0.3622, 0.4629
Android (android.graphics.Color)	4287341134 (0xFF8BA24E)
YUV	145.5470, -33.3007, -5.7417
Hunter-Lab	56.4621, -19.9487, 26.8749

Details

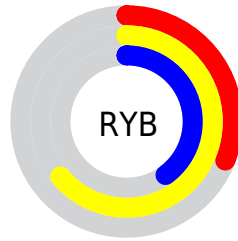
The Yxy color **31.8797, 0.3622, 0.4629** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.8226, 0.2398, 0.1776**, and the grayscale version is **28.6856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6800, 0.3546, 0.4356**, and **13.2619, 0.3719, 0.5076** is the 20% darker color. If you saturate the color by 10%, you get **31.3027, 0.3685, 0.4866**, and if you desaturate by 10%, it is **32.5322, 0.3542, 0.4372**.

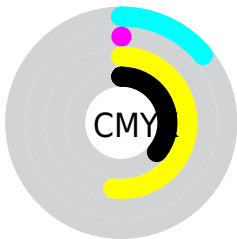
Distribution



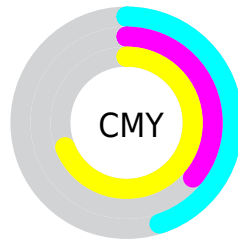
- Red (55%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (40%)



- Cyan (14%)
- Magenta (0%)
- Yellow (52%)
- Black (36%)



- Cyan (45%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8797, 0.3622, 0.4629 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 31.8797, 0.3622, 0.4629 by changing the saturation by 10% instead.


 31.8797, 0.3622,
0.4629


 31.8797, 0.3622,
0.4629


310.5709, 0.3390,
0.3901

 21.2696, 0.3667,
0.4825


 62.6224, 0.3545,
0.4353

 13.3212, 0.3711,
0.5080


 83.5239, 0.3514,
0.4252


 7.6501, 0.3743,
0.5420


 108.6246, 0.3486,
0.4168

 3.8719, 0.3876,
0.6124

 138.3090, 0.3462,
0.4098

 1.6022, 0.3520,
0.6480

 172.9614, 0.3441,
0.4038

 0.3591, 0.0000,
1.0000

212.9663, 0.3422,

 0.0000, 0.0000,

0.3986

0.0000

258.7080, 0.3405,
0.3941

■ 31.8797, 0.3622,
0.4629

■ 31.8797, 0.3622,
0.4629

■ 31.3027, 0.3685,
0.4866

■ 32.5322, 0.3542,
0.4372

■ 30.7926, 0.3728,
0.5071

■ 33.2601, 0.3449,
0.4105

■ 30.3456, 0.3746,
0.5236

■ 34.0684, 0.3350,
0.3839

■ 29.9559, 0.3739,
0.5355

■ 34.9605, 0.3248,
0.3580

■ 29.6695, 0.3722,
0.5427

■ 35.9397, 0.3146,
0.3334

■ 37.0089, 0.3047,
0.3104

■ 38.1710, 0.2952,
0.2893

■ 39.4288, 0.2863,
0.2699

■ 40.7848, 0.2780,
0.2524

Harmonies

Analogous

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



31.8797, 0.4225, 0.4378



31.8797, 0.3622, 0.4629



31.8797, 0.2922, 0.4417

Triad

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



31.8797, 0.3622, 0.4629



31.8797, 0.1869, 0.2458



31.8797, 0.3943, 0.2842

Complementary

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



31.8797, 0.3622, 0.4629



10.8226, 0.2398, 0.1776

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.



31.8797, 0.3205, 0.2440



31.8797, 0.3622, 0.4629



31.8797, 0.2065, 0.2206

Square

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



31.8797, 0.3622, 0.4629



31.8797, 0.1949, 0.2997



31.8797, 0.2525, 0.2213



31.8797, 0.4462, 0.3351

Rectangle

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



31.8797, 0.3622, 0.4629



31.8797, 0.2495, 0.4006



31.8797, 0.2525, 0.2213



31.8797, 0.3707, 0.2693

Sweetspot

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



31.8811, 0.3622, 0.4629



62.7281, 0.3293, 0.3694



17.4223, 0.4370, 0.3648



14.0178, 0.3313, 0.3744



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.



31.8811, 0.3622, 0.4629



56.6978, 0.3692, 0.4895



28.9653, 0.3213, 0.4825



8.1394, 0.3221, 0.3515



23.3963, 0.3726, 0.5424



0.5131, 0.3905, 0.5281

Inverse Universe

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



10.8226, 0.2398, 0.1776



14.2718, 0.2201, 0.1428



13.8431, 0.2921, 0.1975



6.9494, 0.3027, 0.3061



2.5017, 0.1686, 0.0703



0.0747, 0.2074, 0.0916

Previews

White Background



This preview shows how the Yxy color 31.8797, 0.3622, 0.4629 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 31.8797, 0.3622, 0.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

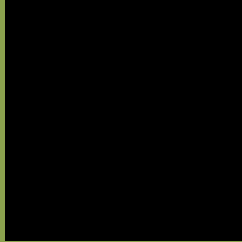
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8797, 0.3622, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 31.8797, 0.3622, 0.4629.



This preview shows how white text looks on a background with the Yxy color 31.8797, 0.3622, 0.4629.

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

31.8797, 0.3622, 0.4629

Protanopia

31.7255, 0.4031, 0.4406

Deuteranopia

31.7318, 0.4225, 0.4152



Tritanopia

31.9831, 0.2990, 0.3108

Trichromacy



Original Color

31.8797, 0.3622, 0.4629

Protanomaly

31.5678, 0.3879, 0.4487

Deuteranomaly

31.5966, 0.4000, 0.4315

Tritanomaly

31.5814, 0.3239, 0.3657

Monochromacy



Original Color

31.8797, 0.3622, 0.4629

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.6766, 0.3329, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8797, 0.3622, 0.4629 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(139, 162, 78)` looks like.

```
.text, #text, p{  
    color:rgb(139, 162, 78)  
}
```

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(139, 162, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 162, 78) }
```

Border

The CSS property to change the border of an element to Yxy 31.8797, 0.3622, 0.4629 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(139, 162, 78) }
```

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

```
.border{ border-color:rgb(139, 162, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 162, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 162, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 162, 78);  
box-shadow:4px 4px 4px 4px rgb(139, 162,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8797, 0.3622, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 162, 78) }
```

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

```
.background{ background-color: rgb(139,  
162, 78) }
```

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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