

Converting Colors

$Y_{xy}(31.5226, 0.4196, 0.5005)$

Have a look what the booklet for
Yxy(31.5226, 0.4196, 0.5005)
contains.

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Color

Yxy(31.5114, 0.4196, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	9F9D0C
RGB	159, 157, 12
RGB Percent	62%, 62%, 5%
CMY	0.3764, 0.3843, 0.9529
CMYK	0.00, 0.01, 0.92, 0.38
HSL	59°, 86%, 34%
HSV	59°, 92%, 62%
XYZ	26.4232, 31.5114, 5.0378
YIQ	141.0680, 47.7370, -44.6710

Conversions

Conversions Part 2

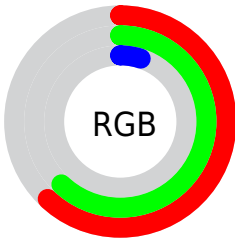
Format	Color
RYB	14, 159, 12
Decimal	10460428
CIELab	62.94, -13.92, 64.30
CIELCh	63, 65.788, 102.215
Yxy	31.5114, 0.4196, 0.5004
Android (android.graphics.Color)	4288650508 (0xFF9F9D0C)
YUV	141.0680, -63.6305, 15.7264
Hunter-Lab	56.1350, -14.2148, 33.9736

Details

The Yxy color **31.5114, 0.4196, 0.5004** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8969, 0.1546, 0.0682**, and the grayscale version is **26.9070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8903, 0.4051, 0.4706**, and **13.1916, 0.4147, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **31.4307, 0.4217, 0.5034**, and if you desaturate by 10%, it is **31.6434, 0.4154, 0.4941**.

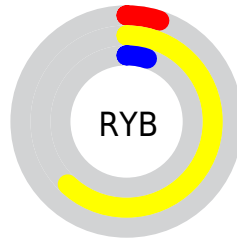
Distribution



Red (62%)

Green (62%)

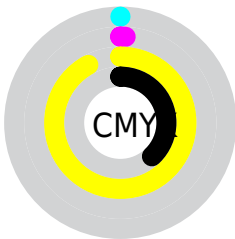
Blue (5%)



Red (5%)

Yellow (62%)

Blue (5%)

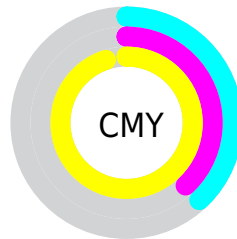


Cyan (0%)

Magenta (1%)

Yellow (92%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5114, 0.4196, 0.5004 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 31.5114, 0.4196, 0.5004 by changing the saturation by 10% instead.


 31.5114, 0.4196,
0.5004


 31.5114, 0.4196,
0.5004


308.8875, 0.3719,
0.4146


 20.9886, 0.4268,
0.5186


 62.0443, 0.4051,
0.4709

 13.1157, 0.4328,
0.5392


 82.8232, 0.3987,
0.4591

 7.5082, 0.4364,
0.5636


 107.7896, 0.3929,
0.4490

 3.7819, 0.4230,
0.5770

 137.3278, 0.3877,
0.4402

 1.5523, 0.3999,
0.6001

 171.8224, 0.3831,
0.4325

 0.3251, 0.0000,
1.0000

 211.6575, 0.3789,

 0.0000, 0.0000,

0.4258

0.0000

257.2178, 0.3752,
0.4198

31.5114, 0.4196,
0.5004

31.5114, 0.4196,
0.5004

31.4307, 0.4217,
0.5034

31.6434, 0.4154,
0.4941

31.8143, 0.4086,
0.4836

32.0310, 0.3994,
0.4690

32.2984, 0.3880,
0.4509

32.6204, 0.3749,
0.4299

■ 33.0009, 0.3607,
0.4068

■ 33.4431, 0.3458,
0.3828

■ 33.9502, 0.3309,
0.3585

■ 34.5251, 0.3162,
0.3347

Harmonies

Analogous

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



31.5114, 0.4908, 0.4347



31.5114, 0.4196, 0.5004



31.5114, 0.3271, 0.5224

Triad

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



31.5114, 0.4196, 0.5004



31.5114, 0.1448, 0.2422



31.5114, 0.3736, 0.2367

Complementary

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



31.5114, 0.4196, 0.5004



2.8969, 0.1546, 0.0682

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.



31.5114, 0.2690, 0.1962



31.5114, 0.4196, 0.5004



31.5114, 0.1528, 0.1930

Square

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



31.5114, 0.4196, 0.5004



31.5114, 0.1710, 0.3372



31.5114, 0.1932, 0.1802



31.5114, 0.4719, 0.2954

Rectangle

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



31.5114, 0.4196, 0.5004



31.5114, 0.2644, 0.4884



31.5114, 0.1932, 0.1802



31.5114, 0.3370, 0.2208

Sweetspot

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



31.5129, 0.4196, 0.5004



59.3881, 0.3549, 0.3975



7.6686, 0.6221, 0.3287



13.3192, 0.3609, 0.4073



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.



31.5129, 0.4196, 0.5004



56.2555, 0.4217, 0.5033



26.8999, 0.3431, 0.5597



7.7048, 0.3261, 0.3508



24.8263, 0.4217, 0.5034



0.4483, 0.4207, 0.5042

Inverse Universe

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



2.8969, 0.1546, 0.0682



4.5444, 0.1502, 0.0607



4.6091, 0.2087, 0.0965



6.4491, 0.2987, 0.3062



2.0195, 0.1503, 0.0612



0.0399, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 31.5114, 0.4196, 0.5004 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 31.5114, 0.4196, 0.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

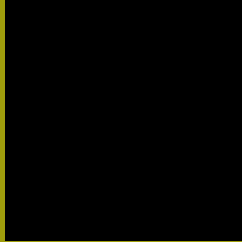
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5114, 0.4196, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 31.5114, 0.4196, 0.5004.

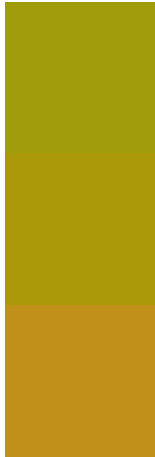


This preview shows how white text looks on a background with the Yxy color 31.5114, 0.4196, 0.5004.

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

31.5114, 0.4196, 0.5004

Protanopia

31.5750, 0.4384, 0.4864

Deuteranopia

31.2276, 0.4660, 0.4562



Tritanopia

31.4271, 0.3260, 0.3130

Trichromacy



Original Color

31.5114, 0.4196, 0.5004

Protanomaly

31.3509, 0.4317, 0.4912

Deuteranomaly

31.2523, 0.4492, 0.4726

Tritanomaly

30.8115, 0.3744, 0.3988

Monochromacy



Original Color

31.5114, 0.4196, 0.5004

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.9715, 0.3664, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5114, 0.4196, 0.5004 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(159, 157, 12)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 12)  
}
```

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(159, 157, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 12) }
```

Border

The CSS property to change the border of an element to Yxy 31.5114, 0.4196, 0.5004 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(159, 157, 12) }
```

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

```
.border{ border-color:rgb(159, 157, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 157, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 12);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5114, 0.4196, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 12) }
```

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

```
.background{ background-color: rgb(159,  
157, 12) }
```

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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