

Converting Colors

$Yxy(31.3609, 0.4353, 0.3791)$

Have a look what the booklet for
Yxy(31.3609, 0.4353, 0.3791)
contains.

Yxy(31.4505, 0.4351, 0.3786)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4505, 0.4351, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	CD8861
RGB	205, 136, 97
RGB Percent	80%, 53%, 38%
CMY	0.1960, 0.4667, 0.6196
CMYK	0.00, 0.34, 0.53, 0.20
HSL	22°, 52%, 59%
HSV	22°, 53%, 80%
XYZ	36.1440, 31.4505, 15.4760
YIQ	152.1850, 53.6430, 2.4990

Conversions

Conversions Part 2

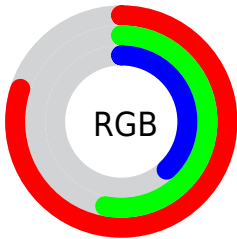
Format	Color
RYB	205, 158, 97
Decimal	13469793
CIELab	62.89, 22.22, 31.64
CIElCh	63, 38.659, 54.918
Yxy	31.4505, 0.4351, 0.3786
Android (android.graphics.Color)	4291659873 (0xFFCD8861)
YUV	152.1850, -27.2062, 46.3188
Hunter-Lab	56.0807, 16.9018, 22.8949

Details

The Yxy color **31.4505, 0.4351, 0.3786** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2372, 0.2337, 0.2703**, and the grayscale version is **31.5870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2250, 0.4026, 0.3731**, and **13.0889, 0.4725, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **27.6501, 0.4681, 0.3855**, and if you desaturate by 10%, it is **35.8041, 0.4047, 0.3698**.

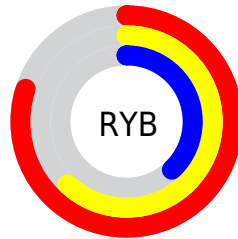
Distribution



Red (80%)

Green (53%)

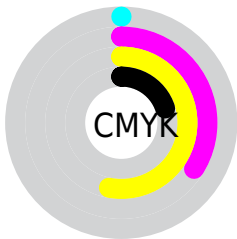
Blue (38%)



Red (80%)

Yellow (62%)

Blue (38%)

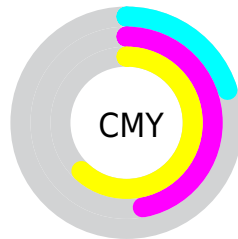


Cyan (0%)

Magenta (34%)

Yellow (53%)

Black (20%)



Cyan (20%)


Magenta (47%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4505, 0.4351, 0.3786 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 31.4505, 0.4351, 0.3786 by changing the saturation by 10% instead.


 31.4505, 0.4351,
0.3786


 31.4505, 0.4351,
0.3786


308.6084, 0.3700,
0.3557


 20.9421, 0.4522,
0.3831


 61.9486, 0.4107,
0.3710


 13.0817, 0.4743,
0.3879

 82.7072, 0.4018,
0.3679

 7.4848, 0.5036,
0.3923


 107.6513, 0.3943,
0.3652

 3.7671, 0.5466,
0.3959

 137.1653, 0.3879,
0.3628

 1.5442, 0.6087,
0.3913

171.6336, 0.3825,
0.3607

 0.3195, 0.7259,
0.2741

211.4407, 0.3778,

 0.0000, 0.0000,

0.3589

0.0000

256.9708, 0.3736,
0.3572

■ 31.4505, 0.4351,
0.3786

■ 31.4505, 0.4351,
0.3786

■ 27.6501, 0.4681,
0.3855

■ 35.8041, 0.4047,
0.3698

■ 24.3742, 0.5023,
0.3893

■ 40.7284, 0.3777,
0.3601

■ 21.5982, 0.5352,
0.3887

■ 46.2461, 0.3543,
0.3502

■ 19.2931, 0.5639,
0.3830

■ 52.3770, 0.3341,
0.3405

■ 17.8799, 0.5816,
0.3764

■ 59.1399, 0.3169,
0.3314

■ 66.5529, 0.3022,
0.3228

■ 74.6332, 0.2898,
0.3150

■ 83.0032, 0.2823,
0.3140

■ 91.0335, 0.2832,
0.3278

Harmonies

Analogous

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



31.4505, 0.4227, 0.3313



31.4505, 0.4351, 0.3786



31.4505, 0.4114, 0.4201

Triad

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



31.4505, 0.4351, 0.3786



31.4505, 0.2481, 0.3743



31.4505, 0.2567, 0.2347

Complementary

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



31.4505, 0.4351, 0.3786



34.2372, 0.2337, 0.2703

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.



31.4505, 0.2184, 0.2368



31.4505, 0.4351, 0.3786



31.4505, 0.2133, 0.3111

Square

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



31.4505, 0.4351, 0.3786



31.4505, 0.3022, 0.4261



31.4505, 0.2034, 0.2621



31.4505, 0.3138, 0.2528

Rectangle

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



31.4505, 0.4351, 0.3786



31.4505, 0.3805, 0.4376



31.4505, 0.2034, 0.2621



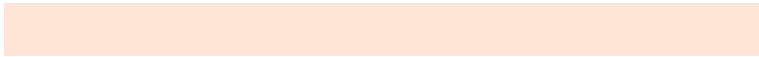
31.4505, 0.2415, 0.2330

Sweetspot

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



31.4521, 0.4351, 0.3786



82.1227, 0.3408, 0.3438



24.3313, 0.3637, 0.2428



17.1277, 0.3450, 0.3459



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.4521, 0.4351, 0.3786



44.6389, 0.4719, 0.3861



50.1645, 0.3982, 0.4390



11.8654, 0.3281, 0.3374



11.2932, 0.5790, 0.3784



0.7257, 0.5416, 0.4081

Inverse Universe

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



34.2372, 0.2337, 0.2703



49.5589, 0.2198, 0.2553



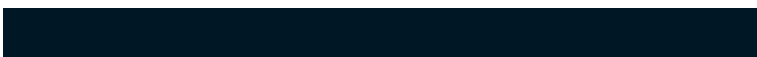
18.8077, 0.2168, 0.1863



12.0194, 0.2983, 0.3204



13.0371, 0.1909, 0.2073



0.8133, 0.1983, 0.2338

Previews

White Background



This preview shows how the Yxy color 31.4505, 0.4351, 0.3786 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 31.4505, 0.4351, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

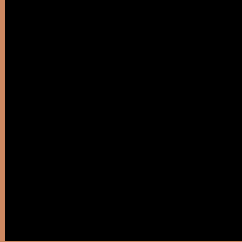
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4505, 0.4351, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 31.4505, 0.4351, 0.3786.



This preview shows how white text looks on a background with the Yxy color 31.4505, 0.4351, 0.3786.

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

31.4505, 0.4351, 0.3786

Protanopia

31.4553, 0.3734, 0.4016

Deuteranopia

31.5743, 0.4069, 0.4001



Tritanopia

31.2686, 0.3920, 0.3165

Trichromacy



Original Color

31.4505, 0.4351, 0.3786

Protanomaly

31.2007, 0.3965, 0.3933

Deuteranomaly

31.3970, 0.4176, 0.3911

Tritanomaly

31.2232, 0.4091, 0.3395

Monochromacy



Original Color

31.4505, 0.4351, 0.3786

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8816, 0.3539, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4505, 0.4351, 0.3786 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(205, 136, 97)` looks like.

```
.text, #text, p{  
    color:rgb(205, 136, 97)  
}
```

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(205, 136, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 136, 97) }
```

Border

The CSS property to change the border of an element to Yxy 31.4505, 0.4351, 0.3786 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(205, 136, 97) }
```

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

```
.border{ border-color:rgb(205, 136, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 136, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 136, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 136, 97);  
box-shadow:4px 4px 4px 4px rgb(205, 136,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4505, 0.4351, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 136, 97) }
```

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

```
.background{ background-color: rgb(205,  
136, 97) }
```

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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