

Converting Colors

$Y_{xy}(31.1710, 0.4367, 0.3972)$

Have a look what the booklet for
Yxy(31.1710, 0.4367, 0.3972)
contains.

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Color

Yxy(31.1429, 0.4365, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	C68B56
RGB	198, 139, 86
RGB Percent	78%, 55%, 34%
CMY	0.2236, 0.4549, 0.6629
CMYK	0.00, 0.30, 0.57, 0.22
HSL	28°, 50%, 56%
HSV	28°, 57%, 78%
XYZ	34.1984, 31.1429, 13.0056
YIQ	150.5990, 52.1770, -3.9750

Conversions

Conversions Part 2

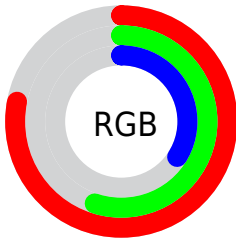
Format	Color
R _Y B	198, 187, 86
Decimal	13011798
CIE Lab	62.63, 16.71, 37.07
CIE LCh	63, 40.662, 65.734
Yxy	31.1429, 0.4365, 0.3975
Android (android.graphics.Color)	4291201878 (0xFFC68B56)
YUV	150.5990, -31.8473, 41.5707
Hunter-Lab	55.8058, 11.7266, 25.2465

Details

The Yxy color **31.1429, 0.4365, 0.3975** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.2887, 0.2243, 0.2442**, and the grayscale version is **30.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2061, 0.4100, 0.3871**, and **12.9474, 0.4747, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **27.9918, 0.4651, 0.4059**, and if you desaturate by 10%, it is **34.6733, 0.4091, 0.3866**.

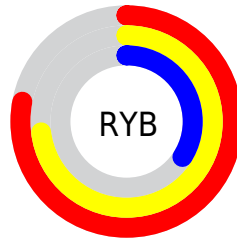
Distribution



Red (78%)

Green (55%)

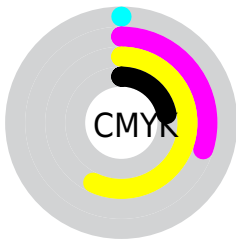
Blue (34%)



Red (78%)

Yellow (73%)

Blue (34%)

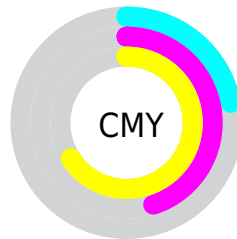


Cyan (0%)

Magenta (30%)

Yellow (57%)

Black (22%)



Cyan (22%)

Magenta (45%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1429, 0.4365, 0.3975 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 31.1429, 0.4365, 0.3975 by changing the saturation by 10% instead.


 31.1429, 0.4365,
0.3975


 31.1429, 0.4365,
0.3975


307.1961, 0.3713,
0.3649


 20.7077, 0.4531,
0.4043

 61.4650, 0.4123,
0.3864

 12.9105, 0.4743,
0.4118


 82.1206, 0.4034,
0.3820

 7.3669, 0.5015,
0.4192


 106.9519, 0.3958,
0.3782

 3.6926, 0.5498,
0.4342

 136.3432, 0.3894,
0.3748

 1.5032, 0.5818,
0.4182

 170.6788, 0.3839,
0.3719

 0.2909, 0.7017,
0.2983

210.3433, 0.3792,

 0.0000, 0.0000,

0.3693

0.0000

255.7209, 0.3750,
0.3669

■ 31.1429, 0.4365,
0.3975

■ 31.1429, 0.4365,
0.3975

■ 27.9918, 0.4651,
0.4059

■ 34.6733, 0.4091,
0.3866

■ 25.2000, 0.4934,
0.4106

■ 38.5928, 0.3837,
0.3743

■ 22.7518, 0.5196,
0.4103

■ 42.9163, 0.3609,
0.3615

■ 20.6270, 0.5420,
0.4047

■ 47.6564, 0.3407,
0.3488

■ 19.9655, 0.5492,
0.4021

■ 52.8253, 0.3231,
0.3366

■ 58.4343, 0.3077,
0.3252

■ 64.4944, 0.2944,
0.3145

■ 71.0163, 0.2828,
0.3048

■ 77.4060, 0.2776,
0.3051

Harmonies

Analogous

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



31.1429, 0.4381, 0.3488



31.1429, 0.4365, 0.3975



31.1429, 0.3998, 0.4362

Triad

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



31.1429, 0.4365, 0.3975



31.1429, 0.2287, 0.3523



31.1429, 0.2735, 0.2348

Complementary

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



31.1429, 0.4365, 0.3975



26.2887, 0.2243, 0.2442

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.



31.1429, 0.2255, 0.2289



31.1429, 0.4365, 0.3975



31.1429, 0.2017, 0.2885

Square

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



31.1429, 0.4365, 0.3975



31.1429, 0.2792, 0.4158



31.1429, 0.2009, 0.2460



31.1429, 0.3379, 0.2604

Rectangle

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



31.1429, 0.4365, 0.3975



31.1429, 0.3626, 0.4479



31.1429, 0.2009, 0.2460



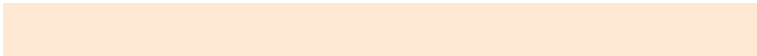
31.1429, 0.2551, 0.2305

Sweetspot

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



31.1444, 0.4365, 0.3975



83.8083, 0.3420, 0.3496



20.7215, 0.3880, 0.2530



17.5612, 0.3460, 0.3522



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.



31.1444, 0.4365, 0.3975



48.3085, 0.4721, 0.4075



51.3744, 0.3954, 0.4584



11.4514, 0.3278, 0.3400



13.1540, 0.5470, 0.4038



0.7676, 0.5136, 0.4304

Inverse Universe

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



26.2887, 0.2243, 0.2442



38.8429, 0.2076, 0.2214



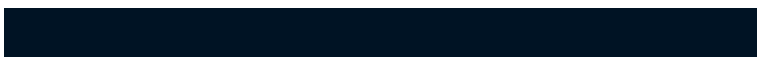
13.3158, 0.2052, 0.1548



11.1962, 0.2983, 0.3178



9.2951, 0.1801, 0.1682



0.5844, 0.1902, 0.2046

Previews

White Background



This preview shows how the Yxy color 31.1429, 0.4365, 0.3975 looks on a white background.

Color Contrast Check

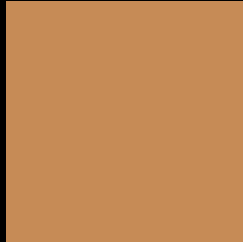
Large Text (above 18pt) WCAG AA × Fail

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 31.1429, 0.4365, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

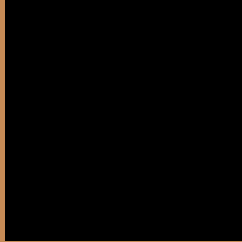
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1429, 0.4365, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 31.1429, 0.4365, 0.3975.



This preview shows how white text looks on a background with the Yxy color 31.1429, 0.4365, 0.3975.

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

31.1429, 0.4365, 0.3975

Protanopia

31.3188, 0.3867, 0.4199

Deuteranopia

31.2210, 0.4184, 0.4111



Tritanopia

31.0121, 0.3822, 0.3161

Trichromacy



Original Color

31.1429, 0.4365, 0.3975

Protanomaly

31.0537, 0.4053, 0.4114

Deuteranomaly

31.2479, 0.4255, 0.4066

Tritanomaly

31.1506, 0.4033, 0.3464

Monochromacy



Original Color

31.1429, 0.4365, 0.3975

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7246, 0.3555, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1429, 0.4365, 0.3975 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(198, 139, 86)` looks like.

```
.text, #text, p{  
    color:rgb(198, 139, 86)  
}
```

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(198, 139, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 139, 86) }
```

Border

The CSS property to change the border of an element to Yxy 31.1429, 0.4365, 0.3975 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(198, 139, 86) }
```

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

```
.border{ border-color:rgb(198, 139, 86) }
```

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

Here you see how a box with a 4 pixel rgb(198, 139, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 139, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 139, 86);  
box-shadow:4px 4px 4px 4px rgb(198, 139,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1429, 0.4365, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 139, 86) }
```

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

```
.background{ background-color: rgb(198,  
139, 86) }
```

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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