

Converting Colors

$Y_{xy}(31.6590, 0.4235, 0.3664)$

Have a look what the booklet for
Yxy(31.6590, 0.4235, 0.3664)
contains.

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Color

Yxy(31.6490, 0.4242, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	CD886B
RGB	205, 136, 107
RGB Percent	80%, 53%, 42%
CMY	0.1959, 0.4667, 0.5804
CMYK	0.00, 0.34, 0.48, 0.20
HSL	18°, 50%, 61%
HSV	18°, 48%, 80%
XYZ	36.6417, 31.6490, 18.0876
YIQ	153.3250, 50.4330, 5.6090

Conversions

Conversions Part 2

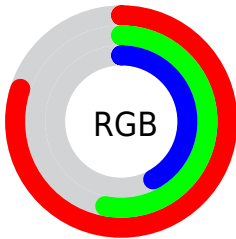
Format	Color
R _Y B	205, 148, 107
Decimal	13469803
CIE Lab	63.05, 23.16, 26.35
CIE LCh	63, 35.083, 48.689
Yxy	31.6490, 0.4242, 0.3664
Android (android.graphics.Color)	4291659883 (0xFFCD886B)
YUV	153.3250, -22.8382, 45.3190
Hunter-Lab	56.2574, 17.8103, 20.3176

Details

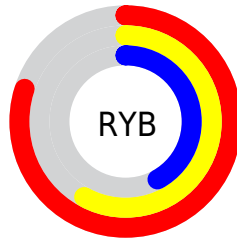
The Yxy color **31.6490, 0.4242, 0.3664** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **38.6038, 0.2421, 0.2865**, and the grayscale version is **32.0902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5901, 0.3934, 0.3617**, and **13.2672, 0.4608, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **27.4721, 0.4585, 0.3728**, and if you desaturate by 10%, it is **36.4793, 0.3936, 0.3587**.

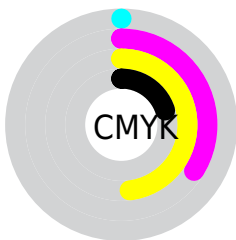
Distribution



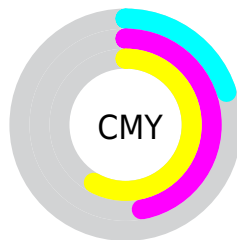
- Red (80%)
- Green (53%)
- Blue (42%)



- Red (80%)
- Yellow (58%)
- Blue (42%)



- Cyan (0%)
- Magenta (34%)
- Yellow (48%)
- Black (20%)





- Cyan (20%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6490, 0.4242, 0.3664 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 31.6490, 0.4242, 0.3664 by changing the saturation by 10% instead.


 31.6490, 0.4242,
0.3664


 31.6490, 0.4242,
0.3664


309.5172, 0.3646,
0.3492


 21.0935, 0.4401,
0.3698


 62.2604, 0.4017,
0.3607


 13.1924, 0.4610,
0.3735


 83.0852, 0.3935,
0.3584

 7.5612, 0.4893,
0.3769


 108.1018, 0.3867,
0.3564

 3.8155, 0.5291,
0.3781

 137.6948, 0.3809,
0.3546

 1.5709, 0.6126,
0.3874

172.2484, 0.3759,
0.3530

 0.3378, 0.7242,
0.2758

212.1471, 0.3717,

 0.0000, 0.0000,

0.3516

0.0000


257.7752, 0.3679,
0.3504


 31.6490, 0.4242,
0.3664

 31.6490, 0.4242,
0.3664


 27.4721, 0.4585,
0.3728


 36.4793, 0.3936,
0.3587


 23.9150, 0.4954,
0.3768


 41.9856, 0.3671,
0.3506


 20.9475, 0.5323,
0.3773

 48.1949, 0.3445,
0.3425

 18.5350, 0.5660,
0.3733

 55.1315, 0.3255,
0.3347

 16.6363, 0.5930,
0.3650

 62.8183, 0.3094,
0.3275

■ 16.2816, 0.5984,
0.3631

■ 71.2773, 0.2959,
0.3208

■ 80.5296, 0.2846,
0.3146

■ 89.5195, 0.2830,
0.3253

■ 91.7238, 0.2833,
0.3289

Harmonies

Analogous

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



31.6490, 0.4057, 0.3228



31.6490, 0.4242, 0.3664



31.6490, 0.4096, 0.4058

Triad

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



31.6490, 0.4242, 0.3664



31.6490, 0.2633, 0.3813



31.6490, 0.2529, 0.2414

Complementary

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



31.6490, 0.4242, 0.3664



38.6038, 0.2421, 0.2865

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.



31.6490, 0.2217, 0.2480



31.6490, 0.4242, 0.3664



31.6490, 0.2268, 0.3247

Square

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



31.6490, 0.4242, 0.3664



31.6490, 0.3151, 0.4221



31.6490, 0.2126, 0.2762



31.6490, 0.3023, 0.2543

Rectangle

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



31.6490, 0.4242, 0.3664



31.6490, 0.3846, 0.4241



31.6490, 0.2126, 0.2762



31.6490, 0.2402, 0.2413

Sweetspot

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



31.6506, 0.4242, 0.3664



82.9040, 0.3372, 0.3396



26.6841, 0.3493, 0.2427



17.2276, 0.3416, 0.3413



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.



31.6506, 0.4242, 0.3664



45.0394, 0.4582, 0.3727



48.2404, 0.3941, 0.4230



11.7453, 0.3283, 0.3359



10.2776, 0.5958, 0.3651



0.6634, 0.5566, 0.3962

Inverse Universe

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



38.6038, 0.2421, 0.2865



57.6100, 0.2298, 0.2759



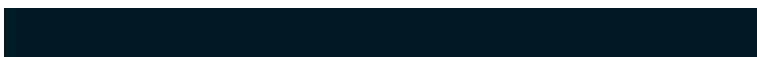
23.0367, 0.2283, 0.2118



12.1450, 0.2983, 0.3220



15.4058, 0.1974, 0.2305



0.9227, 0.2034, 0.2520

Previews

White Background



This preview shows how the Yxy color 31.6490, 0.4242, 0.3664 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 31.6490, 0.4242, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

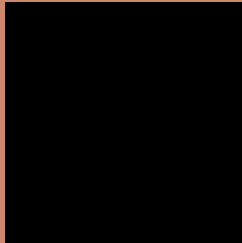
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6490, 0.4242, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 31.6490, 0.4242, 0.3664.



This preview shows how white text looks on a background with the Yxy color 31.6490, 0.4242, 0.3664.

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

31.6490, 0.4242, 0.3664

Protanopia

31.8899, 0.3621, 0.3883

Deuteranopia

31.6450, 0.3957, 0.3870



Tritanopia

31.5656, 0.3904, 0.3165

Trichromacy



Original Color

31.6490, 0.4242, 0.3664

Protanomaly

31.5988, 0.3845, 0.3809

Deuteranomaly

31.4630, 0.4060, 0.3784

Tritanomaly

31.6254, 0.4027, 0.3344

Monochromacy



Original Color

31.6490, 0.4242, 0.3664

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.4157, 0.3505, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6490, 0.4242, 0.3664 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(205, 136, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 136, 107) }
```

Border

The CSS property to change the border of an element to Yxy 31.6490, 0.4242, 0.3664 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, 107) }
```

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

```
.border{ border-color:rgb(205, 136, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 136, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 136, 107);  
box-shadow:4px 4px 4px 4px rgb(205, 136,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6490, 0.4242, 0.3664 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, 107) }
```

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

```
.background{ background-color: rgb(205,  
136, 107) }
```

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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