

Converting Colors

Yxy(31.4343, 0.5046, 0.4608)

Have a look what the booklet for
Yxy(31.4343, 0.5046, 0.4608)
contains.

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Color

Yxy(31.5870, 0.4917, 0.4478)

Conversions

Conversions Part 1

Format	Color
Hex	CE8B00
RGB	206, 139, 0
RGB Percent	81%, 55%, 0%
CMY	0.1922, 0.4549, 1.0000
CMYK	0.00, 0.33, 1.00, 0.19
HSL	40°, 100%, 40%
HSV	40°, 100%, 81%
XYZ	34.6836, 31.5870, 4.2676
YIQ	143.1870, 84.5510, -29.0250

Conversions

Conversions Part 2

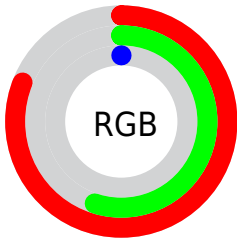
Format	Color
R _Y B	99, 206, 0
Decimal	13536000
CIE Lab	63.00, 16.78, 68.27
CIE LCh	63, 70.303, 76.190
Yxy	31.5870, 0.4917, 0.4478
Android (android.graphics.Color)	4291726080 (0xFFCE8B00)
YUV	143.1870, -70.5912, 55.0870
Hunter-Lab	56.2023, 11.8020, 34.8396

Details

The Yxy color **31.5870, 0.4917, 0.4478** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **8.4671, 0.1624, 0.1046**, and the grayscale version is **27.8104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4272, 0.4536, 0.4400**, and **13.2557, 0.5070, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **31.5887, 0.4917, 0.4478**, and if you desaturate by 10%, it is **33.6410, 0.4791, 0.4500**.

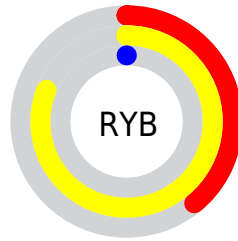
Distribution



Red (81%)

Green (55%)

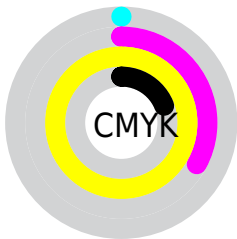
Blue (0%)



Red (39%)

Yellow (81%)

Blue (0%)

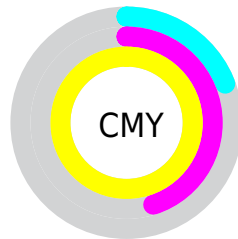


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5870, 0.4917, 0.4478 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 31.5870, 0.4917, 0.4478 by changing the saturation by 10% instead.

 31.5870, 0.4917,
0.4478


 31.5870, 0.4917,
0.4478

309.2336, 0.4060,
0.3990


 21.0462, 0.5082,
0.4535

 62.1631, 0.4635,
0.4343

 13.1578, 0.5275,
0.4582

 82.9672, 0.4518,
0.4279


 7.5373, 0.5445,
0.4555


 107.9612, 0.4416,
0.4219

 3.8003, 0.5584,
0.4416

 137.5295, 0.4327,
0.4164

 1.5625, 0.5811,
0.4189

 172.0565, 0.4248,
0.4114

 0.3321, 0.6859,
0.3141

 211.9266, 0.4178,

 0.0000, 0.0000,

0.4068

0.0000

257.5241, 0.4116,
0.4027

31.5870, 0.4917,
0.4478

31.5870, 0.4917,
0.4478

31.5887, 0.4917,
0.4478

33.6410, 0.4791,
0.4500

35.8703, 0.4638,
0.4478

38.2979, 0.4457,
0.4407

40.9358, 0.4257,
0.4293

43.7948, 0.4049,
0.4148

■ 46.8844, 0.3842,
0.3983

■ 50.2131, 0.3643,
0.3808

■ 53.7891, 0.3456,
0.3630

■ 57.6198, 0.3283,
0.3456

Harmonies

Analogous

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



31.5870, 0.5279, 0.3720



31.5870, 0.4917, 0.4478



31.5870, 0.4111, 0.5167

Triad

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



31.5870, 0.4917, 0.4478



31.5870, 0.1570, 0.3206



31.5870, 0.2792, 0.1936

Complementary

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



31.5870, 0.4917, 0.4478



8.4671, 0.1624, 0.1046

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.



31.5870, 0.1949, 0.1734



31.5870, 0.4917, 0.4478



31.5870, 0.1356, 0.2266

Square

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



31.5870, 0.4917, 0.4478



31.5870, 0.2188, 0.4505



31.5870, 0.1485, 0.1818



31.5870, 0.3927, 0.2388

Rectangle

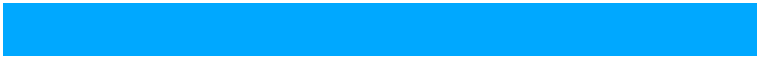
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5870, 0.4917, 0.4478



31.5870, 0.3460, 0.5377



31.5870, 0.1485, 0.1818



31.5870, 0.2468, 0.1839

Sweetspot

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



31.5887, 0.4917, 0.4478



81.1585, 0.3650, 0.3814



13.5456, 0.5659, 0.2891



16.8695, 0.3734, 0.3890



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.



31.5887, 0.4917, 0.4478



50.7985, 0.4928, 0.4469



52.8686, 0.3900, 0.5286



12.4578, 0.3273, 0.3446



19.6368, 0.4903, 0.4489



1.1474, 0.4732, 0.4625

Inverse Universe

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



8.4671, 0.1624, 0.1046



13.3931, 0.1618, 0.1025



4.8014, 0.1568, 0.0638



11.4298, 0.2983, 0.3129



5.3724, 0.1631, 0.1072



0.4152, 0.1743, 0.1475

Previews

White Background



This preview shows how the Yxy color 31.5870, 0.4917, 0.4478 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 31.5870, 0.4917, 0.4478 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 31.5870, 0.4917, 0.4478

Background



This preview shows how black text looks on a background with the Yxy color 31.5870, 0.4917, 0.4478.



This preview shows how white text looks on a background with the Yxy color 31.5870, 0.4917, 0.4478.

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

31.5870, 0.4917, 0.4478

Protanopia

31.5848, 0.4377, 0.4853

Deuteranopia

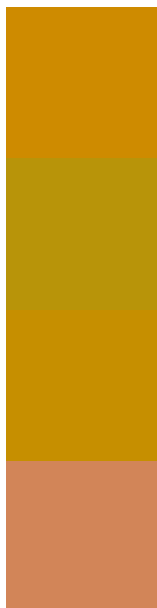
31.5883, 0.4716, 0.4638



Tritanopia

31.5616, 0.3980, 0.3167

Trichromacy



Original Color

31.5870, 0.4917, 0.4478

Protanomaly

31.3899, 0.4572, 0.4720

Deuteranomaly

31.6507, 0.4790, 0.4579

Tritanomaly

31.1813, 0.4522, 0.3839

Monochromacy



Original Color

31.5870, 0.4917, 0.4478

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2083, 0.3932, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5870, 0.4917, 0.4478 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(206, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 0)  
}
```

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(206, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5870, 0.4917, 0.4478 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(206, 139, 0) }
```

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

```
.border{ border-color:rgb(206, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5870, 0.4917, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 0) }
```

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

```
.background{ background-color: rgb(206,  
139, 0) }
```

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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