

Converting Colors

$Yxy(31.7014, 0.4712, 0.4261)$

Have a look what the booklet for
Yxy(31.7014, 0.4712, 0.4261)
contains.

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Color

Yxy(31.7014, 0.4712, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	CD8B35
RGB	205, 139, 53
RGB Percent	80%, 55%, 21%
CMY	0.1960, 0.4549, 0.7921
CMYK	0.00, 0.32, 0.74, 0.20
HSL	34°, 60%, 51%
HSV	34°, 74%, 80%
XYZ	35.0568, 31.7014, 7.6408
YIQ	148.9300, 66.9420, -12.7540

Conversions

Conversions Part 2

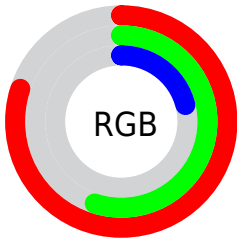
Format	Color
RYB	170, 205, 53
Decimal	13470517
CIELab	63.10, 17.65, 53.88
CIELCh	63, 56.694, 71.863
Yxy	31.7014, 0.4712, 0.4261
Android (android.graphics.Color)	4291660597 (0xFFCD8B35)
YUV	148.9300, -47.2935, 49.1734
Hunter-Lab	56.3040, 12.6082, 31.3668

Details

The Yxy color **31.7014, 0.4712, 0.4261** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **18.3694, 0.1953, 0.1879**, and the grayscale version is **30.2071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4198, 0.4335, 0.4167**, and **13.2557, 0.5070, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **29.0782, 0.4935, 0.4290**, and if you desaturate by 10%, it is **34.6185, 0.4470, 0.4185**.

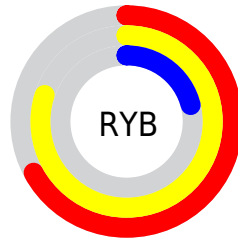
Distribution



Red (80%)

Green (55%)

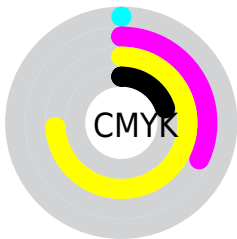
Blue (21%)



Red (67%)

Yellow (80%)

Blue (21%)

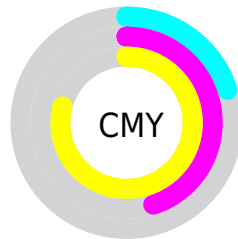


Cyan (0%)

Magenta (32%)

Yellow (74%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7014, 0.4712, 0.4261 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 31.7014, 0.4712, 0.4261 by changing the saturation by 10% instead.


 31.7014, 0.4712,
0.4261


 31.7014, 0.4712,
0.4261

309.7568, 0.3911,
0.3830

 21.1335, 0.4893,
0.4332


 62.3427, 0.4430,
0.4128

 13.2216, 0.5106,
0.4394


 83.1849, 0.4320,
0.4070


 7.5813, 0.5401,
0.4468


 108.2207, 0.4226,
0.4018

 3.8283, 0.5617,
0.4383

 137.8344, 0.4146,
0.3972

 1.5780, 0.5852,
0.4148

 172.4105, 0.4075,
0.3930

 0.3427, 0.6882,
0.3118

 212.3333, 0.4014,

 0.0000, 0.0000,

0.3893

0.0000

257.9873, 0.3959,
0.3860

■ 31.7014, 0.4712,
0.4261

■ 31.7014, 0.4712,
0.4261

■ 29.0782, 0.4935,
0.4290

■ 34.6185, 0.4470,
0.4185

■ 26.7282, 0.5125,
0.4266

■ 37.8388, 0.4223,
0.4073

■ 25.4654, 0.5224,
0.4234

■ 41.3764, 0.3982,
0.3938

■ 45.2429, 0.3755,
0.3791

■ 49.4490, 0.3546,
0.3639

■ 54.0050, 0.3358,
0.3490

■ 58.9204, 0.3191,
0.3347

■ 64.2044, 0.3043,
0.3212

■ 69.8657, 0.2912,
0.3087

Harmonies

Analogous

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



31.7014, 0.4888, 0.3623



31.7014, 0.4712, 0.4261



31.7014, 0.4110, 0.4800

Triad

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



31.7014, 0.4712, 0.4261



31.7014, 0.1891, 0.3389



31.7014, 0.2744, 0.2106

Complementary

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



31.7014, 0.4712, 0.4261



18.3694, 0.1953, 0.1879

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.



31.7014, 0.2068, 0.1967



31.7014, 0.4712, 0.4261



31.7014, 0.1635, 0.2558

Square

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



31.7014, 0.4712, 0.4261



31.7014, 0.2482, 0.4375



31.7014, 0.1700, 0.2098



31.7014, 0.3649, 0.2472

Rectangle

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



31.7014, 0.4712, 0.4261



31.7014, 0.3578, 0.4960



31.7014, 0.1700, 0.2098



31.7014, 0.2486, 0.2032

Sweetspot

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



31.7030, 0.4712, 0.4261



82.3250, 0.3510, 0.3611



16.9204, 0.4483, 0.2534



17.1977, 0.3564, 0.3653



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.



31.7030, 0.4712, 0.4261



45.2624, 0.5053, 0.4282



55.8574, 0.4029, 0.4934



12.2490, 0.3276, 0.3421



16.0417, 0.5206, 0.4249



0.9768, 0.4956, 0.4447

Inverse Universe

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



18.3694, 0.1953, 0.1879



22.5508, 0.1783, 0.1542



7.9362, 0.1759, 0.0984



11.6322, 0.2983, 0.3155



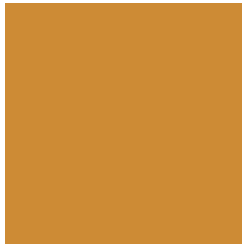
7.3782, 0.1717, 0.1380



0.5306, 0.1824, 0.1764

Previews

White Background



This preview shows how the Yxy color 31.7014, 0.4712, 0.4261 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 31.7014, 0.4712, 0.4261 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 31.7014, 0.4712, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 31.7014, 0.4712, 0.4261.



This preview shows how white text looks on a background with the Yxy color 31.7014, 0.4712, 0.4261.

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

31.7014, 0.4712, 0.4261

Protanopia

31.7358, 0.4184, 0.4591

Deuteranopia

31.5662, 0.4517, 0.4427



Tritanopia

31.5604, 0.3942, 0.3166

Trichromacy



Original Color

31.7014, 0.4712, 0.4261

Protanomaly

31.5326, 0.4369, 0.4468

Deuteranomaly

31.6286, 0.4584, 0.4366

Tritanomaly

31.2677, 0.4283, 0.3609

Monochromacy



Original Color

31.7014, 0.4712, 0.4261

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.9007, 0.3711, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7014, 0.4712, 0.4261 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, 139, 53)` looks like.

```
.text, #text, p{  
    color:rgb(205, 139, 53)  
}
```

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, 139, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 139, 53) }
```

Border

The CSS property to change the border of an element to Yxy 31.7014, 0.4712, 0.4261 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, 139, 53) }
```

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

```
.border{ border-color:rgb(205, 139, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 139, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 139, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 139, 53);  
box-shadow:4px 4px 4px 4px rgb(205, 139,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7014, 0.4712, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 139, 53) }
```

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

```
.background{ background-color: rgb(205,  
139, 53) }
```

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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