

Converting Colors

Yxy(31.5152, 0.4653, 0.4214)

Have a look what the booklet for
Yxy(31.5152, 0.4653, 0.4214)
contains.

Yxy(31.6289, 0.4653, 0.4211)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.6289, 0.4653, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	CC8B3C
RGB	204, 139, 60
RGB Percent	80%, 55%, 24%
CMY	0.2000, 0.4549, 0.7649
CMYK	0.00, 0.32, 0.71, 0.20
HSL	33°, 59%, 52%
HSV	33°, 71%, 80%
XYZ	34.9488, 31.6289, 8.5325
YIQ	149.4290, 64.0990, -10.7890

Conversions

Conversions Part 2

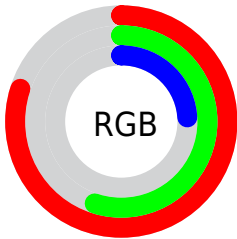
Format	Color
RYB	178, 204, 60
Decimal	13404988
CIELab	63.03, 17.54, 50.68
CIELCh	63, 53.630, 70.911
Yxy	31.6289, 0.4653, 0.4211
Android (android.graphics.Color)	4291595068 (0xFFCC8B3C)
YUV	149.4290, -44.0885, 47.8588
Hunter-Lab	56.2396, 12.5054, 30.3724

Details

The Yxy color **31.6289, 0.4653, 0.4211** 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 **19.9740, 0.2009, 0.1998**, and the grayscale version is **30.4140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5476, 0.4294, 0.4115**, and **13.1711, 0.5045, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **28.9004, 0.4892, 0.4254**, and if you desaturate by 10%, it is **34.6682, 0.4400, 0.4124**.

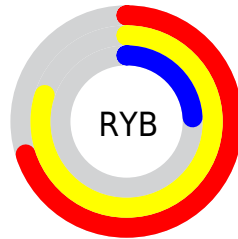
Distribution



Red (80%)

Green (55%)

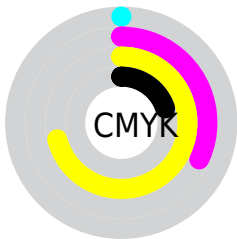
Blue (24%)



Red (70%)

Yellow (80%)

Blue (24%)

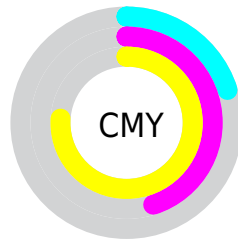


Cyan (0%)

Magenta (32%)

Yellow (71%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6289, 0.4653, 0.4211 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 31.6289, 0.4653, 0.4211 by changing the saturation by 10% instead.


 31.6289, 0.4653,
0.4211


 31.6289, 0.4653,
0.4211


309.4253, 0.3874,
0.3796

 21.0782, 0.4834,
0.4283


 62.2289, 0.4376,
0.4080

 13.1812, 0.5050,
0.4350

 83.0469, 0.4269,
0.4024


 7.5534, 0.5329,
0.4414


 108.0562, 0.4178,
0.3974

 3.8106, 0.5614,
0.4386

 137.6412, 0.4100,
0.3930

 1.5682, 0.5848,
0.4152

 172.1862, 0.4032,
0.3891

 0.3360, 0.6899,
0.3101

 212.0756, 0.3973,

 0.0000, 0.0000,

0.3855

0.0000

257.6938, 0.3921,
0.3824

■ 31.6289, 0.4653,
0.4211

■ 31.6289, 0.4653,
0.4211

■ 28.9004, 0.4892,
0.4254

■ 34.6682, 0.4400,
0.4124

■ 26.4622, 0.5104,
0.4246

■ 38.0273, 0.4148,
0.4007

■ 24.4149, 0.5273,
0.4195

■ 41.7204, 0.3906,
0.3870

■ 45.7593, 0.3682,
0.3724

■ 50.1549, 0.3479,
0.3577

■ 54.9175, 0.3297,
0.3434

■ 60.0570, 0.3136,
0.3298

■ 65.5828, 0.2995,
0.3171

■ 71.5038, 0.2871,
0.3053

Harmonies

Analogous

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



31.6289, 0.4795, 0.3601



31.6289, 0.4653, 0.4211



31.6289, 0.4095, 0.4718

Triad

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



31.6289, 0.4653, 0.4211



31.6289, 0.1963, 0.3419



31.6289, 0.2741, 0.2149

Complementary

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



31.6289, 0.4653, 0.4211



19.9740, 0.2009, 0.1998

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.



31.6289, 0.2101, 0.2024



31.6289, 0.4653, 0.4211



31.6289, 0.1703, 0.2620

Square

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



31.6289, 0.4653, 0.4211



31.6289, 0.2542, 0.4336



31.6289, 0.1755, 0.2163



31.6289, 0.3596, 0.2496

Rectangle

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



31.6289, 0.4653, 0.4211



31.6289, 0.3592, 0.4868



31.6289, 0.1755, 0.2163



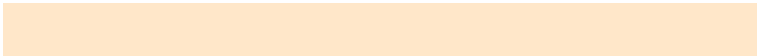
31.6289, 0.2497, 0.2081

Sweetspot

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



31.6305, 0.4653, 0.4211



82.5595, 0.3492, 0.3587



17.6018, 0.4343, 0.2518



17.2247, 0.3547, 0.3628



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.



31.6305, 0.4653, 0.4211



45.5838, 0.5013, 0.4256



55.6791, 0.4026, 0.4872



12.2171, 0.3277, 0.3417



15.5559, 0.5254, 0.4210



0.9529, 0.4992, 0.4418

Inverse Universe

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



19.9740, 0.2009, 0.1998



25.2587, 0.1833, 0.1673



8.7031, 0.1803, 0.1069



11.6637, 0.2983, 0.3159



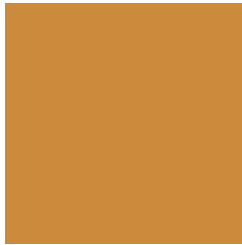
7.7473, 0.1731, 0.1433



0.5505, 0.1836, 0.1811

Previews

White Background



This preview shows how the Yxy color 31.6289, 0.4653, 0.4211 looks on a white background.

Color Contrast Check

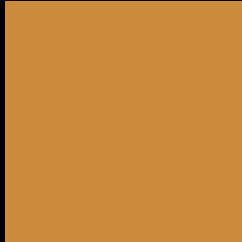
Large Text (above 18pt) WCAG AA × Fail

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 31.6289, 0.4653, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

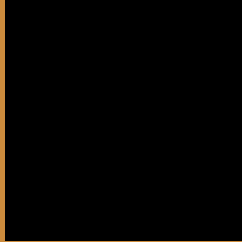
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6289, 0.4653, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 31.6289, 0.4653, 0.4211.



This preview shows how white text looks on a background with the Yxy color 31.6289, 0.4653, 0.4211.

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

31.6289, 0.4653, 0.4211

Protanopia

31.6987, 0.4125, 0.4526

Deuteranopia

31.6327, 0.4471, 0.4369



Tritanopia

31.6814, 0.3927, 0.3178

Trichromacy



Original Color

31.6289, 0.4653, 0.4211

Protanomaly

31.4838, 0.4310, 0.4408

Deuteranomaly

31.6965, 0.4537, 0.4308

Tritanomaly

31.4633, 0.4231, 0.3586

Monochromacy



Original Color

31.6289, 0.4653, 0.4211

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.9702, 0.3679, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6289, 0.4653, 0.4211 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(204, 139, 60)` looks like.

```
.text, #text, p{  
    color:rgb(204, 139, 60)  
}
```

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(204, 139, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 60) }
```

Border

The CSS property to change the border of an element to Yxy 31.6289, 0.4653, 0.4211 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(204, 139, 60) }
```

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

```
.border{ border-color:rgb(204, 139, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 139, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 60);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6289, 0.4653, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 60) }
```

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

```
.background{ background-color: rgb(204,  
139, 60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor