

Converting Colors

$Y_{xy}(31.2000, 0.4681, 0.4589)$

Have a look what the booklet for
Yxy(31.2000, 0.4681, 0.4589)
contains.

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Color

Yxy(31.2000, 0.4681, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	C09013
RGB	192, 144, 19
RGB Percent	75%, 56%, 7%
CMY	0.2471, 0.4352, 0.9253
CMYK	0.00, 0.25, 0.90, 0.25
HSL	43°, 82%, 41%
HSV	43°, 90%, 75%
XYZ	31.8255, 31.2000, 4.9632
YIQ	144.1020, 68.7330, -28.6990

Conversions

Conversions Part 2

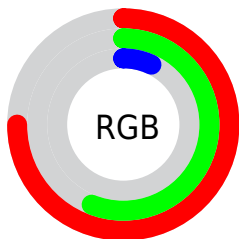
Format	Color
RYB	85, 192, 19
Decimal	12619795
CIELab	62.68, 8.08, 64.20
CIElCh	63, 64.711, 82.826
Yxy	31.2000, 0.4681, 0.4589
Android (android.graphics.Color)	4290809875 (0xFFC09013)
YUV	144.1020, -61.6753, 42.0065
Hunter-Lab	55.8570, 3.9539, 33.8317

Details

The Yxy color **31.2000, 0.4681, 0.4589** 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 **7.9609, 0.1672, 0.1129**, and the grayscale version is **28.1690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3943, 0.4439, 0.4401**, and **12.9920, 0.4806, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **29.5901, 0.4787, 0.4581**, and if you desaturate by 10%, it is **32.9475, 0.4548, 0.4556**.

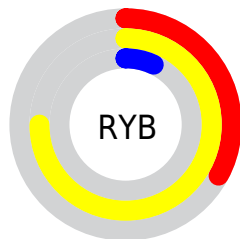
Distribution



Red (75%)

Green (56%)

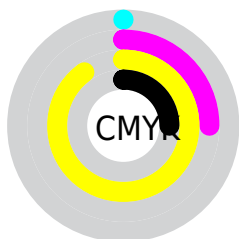
Blue (7%)



Red (33%)

Yellow (75%)

Blue (7%)

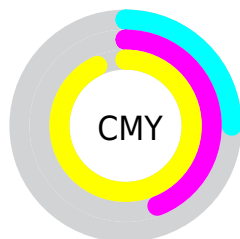


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (44%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2000, 0.4681, 0.4589 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 31.2000, 0.4681, 0.4589 by changing the saturation by 10% instead.


 31.2000, 0.4681,
0.4589


 31.2000, 0.4681,
0.4589

307.4587, 0.3934,
0.4004


 20.7512, 0.4827,
0.4684


 61.5548, 0.4433,
0.4408


 12.9423, 0.4985,
0.4773


 82.2296, 0.4332,
0.4329


 7.3888, 0.5156,
0.4844


 107.0819, 0.4243,
0.4259

 3.7064, 0.5228,
0.4772

 136.4959, 0.4165,
0.4196

 1.5107, 0.5347,
0.4653

 170.8563, 0.4096,
0.4140

 0.2963, 0.6178,
0.3822

 210.5472, 0.4036,

 0.0000, 0.0000,

0.4089

0.0000

255.9532, 0.3982,
0.4044

31.2000, 0.4681,
0.4589

31.2000, 0.4681,
0.4589

29.5901, 0.4787,
0.4581

32.9475, 0.4548,
0.4556

34.8346, 0.4387,
0.4475

36.8724, 0.4207,
0.4353

39.0692, 0.4015,
0.4200

41.4323, 0.3821,
0.4026

■ 43.9685, 0.3631,
0.3841

■ 46.6839, 0.3451,
0.3653

■ 49.5843, 0.3283,
0.3468

■ 52.6752, 0.3128,
0.3291

Harmonies

Analogous

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



31.2000, 0.5115, 0.3879



31.2000, 0.4681, 0.4589



31.2000, 0.3878, 0.5138

Triad

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



31.2000, 0.4681, 0.4589



31.2000, 0.1591, 0.2990



31.2000, 0.3040, 0.2092

Complementary

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



31.2000, 0.4681, 0.4589



7.9609, 0.1672, 0.1129

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.



31.2000, 0.2170, 0.1843



31.2000, 0.4681, 0.4589



31.2000, 0.1456, 0.2212

Square

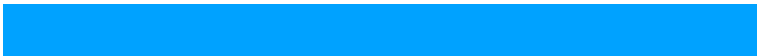
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.2000, 0.4681, 0.4589



31.2000, 0.2099, 0.4146



31.2000, 0.1648, 0.1863



31.2000, 0.4106, 0.2568

Rectangle

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



31.2000, 0.4681, 0.4589



31.2000, 0.3253, 0.5193



31.2000, 0.1648, 0.1863



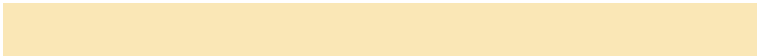
31.2000, 0.2714, 0.1981

Sweetspot

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



31.2016, 0.4681, 0.4589



80.9556, 0.3583, 0.3791



12.0894, 0.5519, 0.2899



17.0144, 0.3646, 0.3856



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2016, 0.4681, 0.4589



53.1837, 0.4799, 0.4572



44.6576, 0.3829, 0.5280



11.2707, 0.3271, 0.3456



20.0520, 0.4778, 0.4588



0.9772, 0.4620, 0.4714

Inverse Universe

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



7.9609, 0.1672, 0.1129



11.1913, 0.1588, 0.0917



5.1285, 0.1708, 0.0768



10.1927, 0.2984, 0.3119



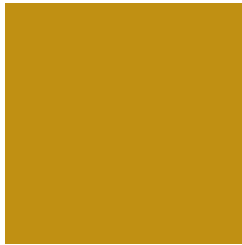
4.4043, 0.1601, 0.0963



0.3103, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 31.2000, 0.4681, 0.4589 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 31.2000, 0.4681, 0.4589 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 31.2000, 0.4681, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 31.2000, 0.4681, 0.4589.



This preview shows how white text looks on a background with the Yxy color 31.2000, 0.4681, 0.4589.

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

31.2000, 0.4681, 0.4589

Protanopia

31.1723, 0.4358, 0.4823

Deuteranopia

31.2000, 0.4681, 0.4589



Tritanopia

31.2059, 0.3757, 0.3159

Trichromacy



Original Color

31.2000, 0.4681, 0.4589

Protanomaly

31.1327, 0.4481, 0.4733

Deuteranomaly

31.2000, 0.4681, 0.4589

Tritanomaly

30.8136, 0.4217, 0.3810

Monochromacy



Original Color

31.2000, 0.4681, 0.4589

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4244, 0.3780, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2000, 0.4681, 0.4589 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(192, 144, 19)` looks like.

```
.text, #text, p{  
    color:rgb(192, 144, 19)  
}
```

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(192, 144, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 144, 19) }
```

Border

The CSS property to change the border of an element to Yxy 31.2000, 0.4681, 0.4589 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(192, 144, 19) }
```

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

```
.border{ border-color:rgb(192, 144, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 144, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 144, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 144, 19);  
box-shadow:4px 4px 4px 4px rgb(192, 144,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2000, 0.4681, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 144, 19) }
```

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

```
.background{ background-color: rgb(192,  
144, 19) }
```

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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