

Converting Colors

$Y_{xy}(30.6392, 0.4932, 0.5068)$

Have a look what the booklet for
Yxy(30.6392, 0.4932, 0.5068)
contains.

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Color

Yxy(31.1226, 0.4643, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	BB9200
RGB	187, 146, 0
RGB Percent	73%, 57%, 0%
CMY	0.2667, 0.4274, 1.0000
CMYK	0.00, 0.22, 1.00, 0.27
HSL	47°, 100%, 37%
HSV	47°, 100%, 73%
XYZ	30.7713, 31.1226, 4.3808
YIQ	141.6150, 71.3020, -36.7140

Conversions

Conversions Part 2

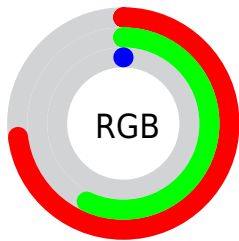
Format	Color
RYB	53, 187, 0
Decimal	12292608
CIELab	62.61, 4.48, 67.00
CIELCh	63, 67.154, 86.171
Yxy	31.1226, 0.4643, 0.4696
Android (android.graphics.Color)	4290482688 (0xFFBB9200)
YUV	141.6150, -69.8162, 39.8026
Hunter-Lab	55.7876, 0.8287, 34.3956

Details

The Yxy color **31.1226, 0.4643, 0.4696** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.1729, 0.1564, 0.0829**, and the grayscale version is **27.1512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5506, 0.4407, 0.4507**, and **13.0329, 0.4713, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **31.1245, 0.4643, 0.4696**, and if you desaturate by 10%, it is **32.4571, 0.4557, 0.4691**.

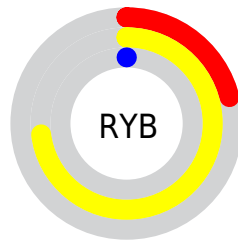
Distribution



Red (73%)

Green (57%)

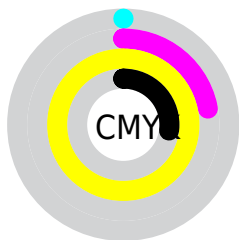
Blue (0%)



Red (21%)

Yellow (73%)

Blue (0%)

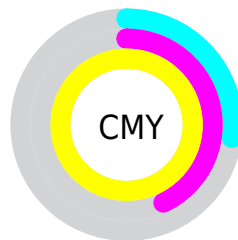


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1226, 0.4643, 0.4696 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 31.1226, 0.4643, 0.4696 by changing the saturation by 10% instead.


 31.1226, 0.4643,
0.4696


 31.1226, 0.4643,
0.4696


307.1027, 0.3929,
0.4058

 20.6922, 0.4773,
0.4800


 61.4330, 0.4412,
0.4498

 12.8992, 0.4919,
0.4909

 82.0819, 0.4315,
0.4412


 7.3592, 0.5032,
0.4968

 106.9057, 0.4230,
0.4335

 3.6877, 0.5072,
0.4928

 136.2888, 0.4155,
0.4267

 1.5005, 0.5141,
0.4859

 170.6157, 0.4088,
0.4206

 0.2891, 0.5707,
0.4293

 210.2707, 0.4029,

 0.0000, 0.0000,

0.4151

0.0000

255.6383, 0.3976,
0.4102

31.1226, 0.4643,
0.4696

31.1226, 0.4643,
0.4696

31.1245, 0.4643,
0.4696

32.4571, 0.4557,
0.4691

33.8796, 0.4447,
0.4646

35.4086, 0.4309,
0.4556

37.0527, 0.4149,
0.4425

38.8191, 0.3976,
0.4261

■ 40.7142, 0.3796,
0.4076

■ 42.7438, 0.3617,
0.3879

■ 44.9133, 0.3444,
0.3679

■ 47.2278, 0.3280,
0.3481

Harmonies

Analogous

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



31.1226, 0.5157, 0.3964



31.1226, 0.4643, 0.4696



31.1226, 0.3784, 0.5239

Triad

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



31.1226, 0.4643, 0.4696



31.1226, 0.1510, 0.2859



31.1226, 0.3153, 0.2100

Complementary

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



31.1226, 0.4643, 0.4696



5.1729, 0.1564, 0.0829

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.



31.1226, 0.2220, 0.1816



31.1226, 0.4643, 0.4696



31.1226, 0.1414, 0.2113

Square

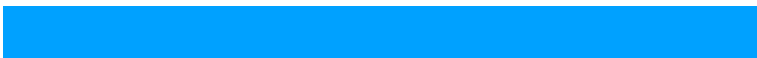
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.1226, 0.4643, 0.4696



31.1226, 0.1983, 0.4040



31.1226, 0.1646, 0.1803



31.1226, 0.4260, 0.2608

Rectangle

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



31.1226, 0.4643, 0.4696



31.1226, 0.3138, 0.5244



31.1226, 0.1646, 0.1803



31.1226, 0.2806, 0.1977

Sweetspot

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



31.1245, 0.4643, 0.4696



76.3744, 0.3626, 0.3889



10.7436, 0.5983, 0.3069



16.4743, 0.3701, 0.3973



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.1245, 0.4643, 0.4696



55.3806, 0.4651, 0.4689



40.8690, 0.3729, 0.5421



10.7560, 0.3269, 0.3468



21.5556, 0.4636, 0.4701



0.9340, 0.4510, 0.4801

Inverse Universe

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



5.1729, 0.1564, 0.0829



8.9813, 0.1558, 0.0807



4.2624, 0.1662, 0.0689



9.5554, 0.2984, 0.3105



3.6540, 0.1569, 0.0846



0.2424, 0.1696, 0.1306

Previews

White Background



This preview shows how the Yxy color 31.1226, 0.4643, 0.4696 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 31.1226, 0.4643, 0.4696 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 31.1226, 0.4643, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 31.1226, 0.4643, 0.4696.



This preview shows how white text looks on a background with the Yxy color 31.1226, 0.4643, 0.4696.

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

31.1226, 0.4643, 0.4696

Protanopia

31.1341, 0.4387, 0.4865

Deuteranopia

31.1749, 0.4701, 0.4614



Tritanopia

31.1530, 0.3672, 0.3157

Trichromacy



Original Color

31.1226, 0.4643, 0.4696

Protanomaly

31.1730, 0.4479, 0.4803

Deuteranomaly

31.2111, 0.4675, 0.4648

Tritanomaly

30.6228, 0.4210, 0.3926

Monochromacy



Original Color

31.1226, 0.4643, 0.4696

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6522, 0.3842, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1226, 0.4643, 0.4696 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(187, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 146, 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(187, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1226, 0.4643, 0.4696 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(187, 146, 0) }
```

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

```
.border{ border-color:rgb(187, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1226, 0.4643, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 146, 0) }
```

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

```
.background{ background-color: rgb(187,  
146, 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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