

Converting Colors

$Y_{xy}(31.6392, 0.4626, 0.4850)$

Have a look what the booklet for
Yxy(31.6392, 0.4626, 0.4850)
contains.

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Color

Yxy(31.5622, 0.4564, 0.4758)

Conversions

Conversions Part 1

Format	Color
Hex	B79500
RGB	183, 149, 0
RGB Percent	72%, 58%, 0%
CMY	0.2824, 0.4157, 0.9998
CMYK	0.00, 0.19, 1.00, 0.28
HSL	49°, 100%, 36%
HSV	49°, 100%, 72%
XYZ	30.2753, 31.5622, 4.4975
YIQ	142.1800, 68.0930, -39.1310

Conversions

Conversions Part 2

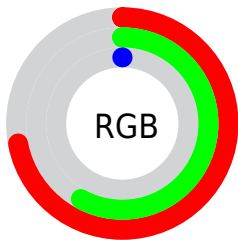
Format	Color
RYB	42, 183, 0
Decimal	12031232
CIELab	62.98, 1.04, 67.04
CIELCh	63, 67.044, 89.109
Yxy	31.5622, 0.4564, 0.4758
Android (android.graphics.Color)	4290221312 (0xFFB79500)
YUV	142.1800, -70.0947, 35.7991
Hunter-Lab	56.1802, -2.1225, 34.5797

Details

The Yxy color **31.5622, 0.4564, 0.4758** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.5653, 0.1549, 0.0775**, and the grayscale version is **27.3913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2476, 0.4346, 0.4545**, and **13.2837, 0.4600, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **31.5607, 0.4564, 0.4758**, and if you desaturate by 10%, it is **32.7001, 0.4489, 0.4746**.

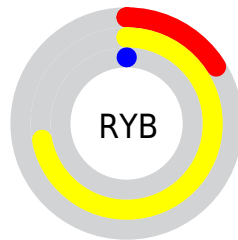
Distribution



Red (72%)

Green (58%)

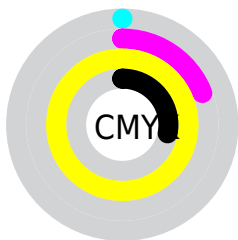
Blue (0%)



Red (16%)

Yellow (72%)

Blue (0%)

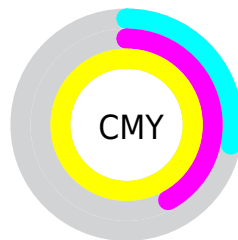


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5622, 0.4564, 0.4758 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 31.5622, 0.4564, 0.4758 by changing the saturation by 10% instead.

 31.5622, 0.4564,
0.4758


 31.5622, 0.4564,
0.4758

309.1201, 0.3894,
0.4079


 21.0273, 0.4683,
0.4876


 62.1241, 0.4350,
0.4543

 13.1440, 0.4812,
0.5001


 82.9200, 0.4259,
0.4451

 7.5278, 0.4910,
0.5090


 107.9049, 0.4179,
0.4370

 3.7943, 0.4919,
0.5081

 137.4634, 0.4108,
0.4297

 1.5592, 0.4935,
0.5065

 171.9797, 0.4045,
0.4233

 0.3298, 0.5068,
0.4932

 211.8383, 0.3989,

 0.0000, 0.0000,

0.4176


0.0000


 257.4237, 0.3939,
0.4125

 31.5622, 0.4564,
0.4758


 31.5622, 0.4564,
0.4758


 31.5607, 0.4564,
0.4758

 32.7001, 0.4489,
0.4746

 33.9100, 0.4391,
0.4696

 35.2092, 0.4266,
0.4600

 36.6056, 0.4118,
0.4464

 38.1059, 0.3954,
0.4296

■ 39.7161, 0.3782,
0.4105

■ 41.4414, 0.3609,
0.3901

■ 43.2869, 0.3440,
0.3693

■ 45.2571, 0.3278,
0.3488

Harmonies

Analogous

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



31.5622, 0.5119, 0.4035



31.5622, 0.4564, 0.4758



31.5622, 0.3690, 0.5252

Triad

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



31.5622, 0.4564, 0.4758



31.5622, 0.1493, 0.2768



31.5622, 0.3259, 0.2146

Complementary

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



31.5622, 0.4564, 0.4758



4.5653, 0.1549, 0.0775

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.



31.5622, 0.2301, 0.1840



31.5622, 0.4564, 0.4758



31.5622, 0.1431, 0.2073

Square

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



31.5622, 0.4564, 0.4758



31.5622, 0.1926, 0.3912



31.5622, 0.1694, 0.1798



31.5622, 0.4353, 0.2671

Rectangle

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



31.5622, 0.4564, 0.4758



31.5622, 0.3044, 0.5195



31.5622, 0.1694, 0.1798



31.5622, 0.2907, 0.2017

Sweetspot

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



31.5637, 0.4564, 0.4758



74.0587, 0.3618, 0.3912



10.1991, 0.6073, 0.3119



16.0658, 0.3691, 0.3998



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



31.5637, 0.4564, 0.4758



56.2106, 0.4571, 0.4752



38.4629, 0.3673, 0.5465



10.2120, 0.3268, 0.3475



22.1119, 0.4559, 0.4762



0.8540, 0.4449, 0.4849

Inverse Universe

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



4.5653, 0.1549, 0.0775



7.9290, 0.1543, 0.0755



4.2301, 0.1703, 0.0712



8.9823, 0.2984, 0.3098



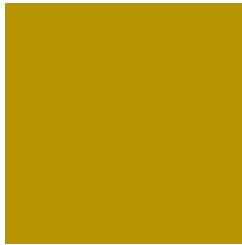
3.2589, 0.1553, 0.0791



0.1972, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 31.5622, 0.4564, 0.4758 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 31.5622, 0.4564, 0.4758 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 31.5622, 0.4564, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 31.5622, 0.4564, 0.4758.



This preview shows how white text looks on a background with the Yxy color 31.5622, 0.4564, 0.4758.

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

31.5622, 0.4564, 0.4758

Protanopia

31.5707, 0.4387, 0.4869

Deuteranopia

31.6200, 0.4691, 0.4607



Tritanopia

31.4232, 0.3599, 0.3142

Trichromacy



Original Color

31.5622, 0.4564, 0.4758

Protanomaly

31.6975, 0.4446, 0.4833

Deuteranomaly

31.3963, 0.4648, 0.4660

Tritanomaly

30.8636, 0.4142, 0.3936

Monochromacy



Original Color

31.5622, 0.4564, 0.4758

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.1571, 0.3818, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5622, 0.4564, 0.4758 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(183, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 149, 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(183, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5622, 0.4564, 0.4758 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(183, 149, 0) }
```

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

```
.border{ border-color:rgb(183, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5622, 0.4564, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 149, 0) }
```

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

```
.background{ background-color: rgb(183,  
149, 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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