

Converting Colors

$Yxy(31.1634, 0.4400, 0.4355)$

Have a look what the booklet for
Yxy(31.1634, 0.4400, 0.4355)
contains.

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Color

Yxy(31.1634, 0.4400, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	BB913E
RGB	187, 145, 62
RGB Percent	73%, 57%, 24%
CMY	0.2667, 0.4313, 0.7570
CMYK	0.00, 0.22, 0.67, 0.27
HSL	40°, 50%, 49%
HSV	40°, 67%, 73%
XYZ	31.4854, 31.1634, 8.9089
YIQ	148.0960, 51.6750, -16.9090

Conversions

Conversions Part 2

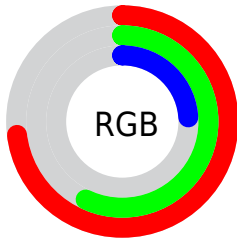
Format	Color
RYB	125, 187, 62
Decimal	12292414
CIELab	62.65, 6.97, 48.77
CIElCh	63, 49.265, 81.864
Yxy	31.1634, 0.4400, 0.4355
Android (android.graphics.Color)	4290482494 (0xFFBB913E)
YUV	148.0960, -42.4453, 34.1188
Hunter-Lab	55.8242, 2.9835, 29.6149

Details

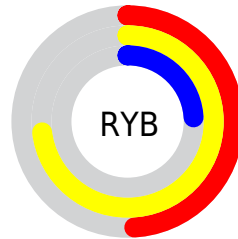
The Yxy color **31.1634, 0.4400, 0.4355** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.5008, 0.2003, 0.1827**, and the grayscale version is **29.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6319, 0.4168, 0.4183**, and **12.9434, 0.4720, 0.4583** is the 20% darker color. If you saturate the color by 10%, you get **29.1276, 0.4592, 0.4440**, and if you desaturate by 10%, it is **33.3789, 0.4194, 0.4232**.

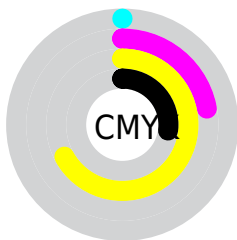
Distribution



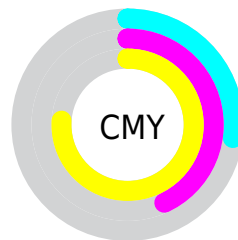
- Red (73%)
- Green (57%)
- Blue (24%)



- Red (49%)
- Yellow (73%)
- Blue (24%)



- Cyan (0%)
- Magenta (22%)
- Yellow (67%)
- Black (27%)



- Cyan (27%)
- Magenta (43%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1634, 0.4400, 0.4355 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 31.1634, 0.4400, 0.4355 by changing the saturation by 10% instead.


 31.1634, 0.4400,
0.4355


 31.1634, 0.4400,
0.4355


307.2904, 0.3753,
0.3838


 20.7233, 0.4549,
0.4463


 61.4972, 0.4170,
0.4179


 12.9219, 0.4726,
0.4582


 82.1598, 0.4082,
0.4108

 7.3748, 0.4946,
0.4718


 106.9986, 0.4006,
0.4047

 3.6976, 0.5180,
0.4820

 136.3980, 0.3941,
0.3994

 1.5059, 0.5285,
0.4715

 170.7425, 0.3885,
0.3947

 0.2929, 0.6050,
0.3950

210.4165, 0.3836,

 0.0000, 0.0000,

0.3906

0.0000

255.8043, 0.3792,
0.3870

■ 31.1634, 0.4400,
0.4355

■ 31.1634, 0.4400,
0.4355

■ 29.1276, 0.4592,
0.4440

■ 33.3789, 0.4194,
0.4232

■ 27.2576, 0.4761,
0.4479

■ 35.7777, 0.3983,
0.4082

■ 25.5429, 0.4899,
0.4468

■ 38.3688, 0.3777,
0.3915

■ 25.0293, 0.4940,
0.4460

■ 41.1589, 0.3581,
0.3742

■ 44.1544, 0.3399,
0.3569

■ 47.3613, 0.3232,
0.3401

■ 50.7852, 0.3082,
0.3241

■ 54.4316, 0.2947,
0.3091

■ 58.3055, 0.2826,
0.2952

Harmonies

Analogous

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



31.1634, 0.4683, 0.3807



31.1634, 0.4400, 0.4355



31.1634, 0.3792, 0.4714

Triad

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



31.1634, 0.4400, 0.4355



31.1634, 0.1918, 0.3117



31.1634, 0.3049, 0.2318

Complementary

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



31.1634, 0.4400, 0.4355



14.5008, 0.2003, 0.1827

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.



31.1634, 0.2360, 0.2120



31.1634, 0.4400, 0.4355



31.1634, 0.1778, 0.2481

Square

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



31.1634, 0.4400, 0.4355



31.1634, 0.2361, 0.3959



31.1634, 0.1929, 0.2160



31.1634, 0.3857, 0.2711

Rectangle

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



31.1634, 0.4400, 0.4355



31.1634, 0.3298, 0.4712



31.1634, 0.1929, 0.2160



31.1634, 0.2796, 0.2228

Sweetspot

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



31.1649, 0.4400, 0.4355



77.1906, 0.3460, 0.3628



15.0404, 0.4509, 0.2735



16.6647, 0.3512, 0.3677



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.



31.1649, 0.4400, 0.4355



50.6537, 0.4671, 0.4463



44.2330, 0.3857, 0.4897



10.5661, 0.3272, 0.3442



17.3856, 0.4928, 0.4469



0.7970, 0.4711, 0.4641

Inverse Universe

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



14.5008, 0.2003, 0.1827



18.9921, 0.1805, 0.1473



8.7669, 0.1986, 0.1239



9.7348, 0.2984, 0.3133



5.0260, 0.1641, 0.1106



0.3199, 0.1781, 0.1611

Previews

White Background



This preview shows how the Yxy color 31.1634, 0.4400, 0.4355 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 31.1634, 0.4400, 0.4355 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 31.1634, 0.4400, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 31.1634, 0.4400, 0.4355.



This preview shows how white text looks on a background with the Yxy color 31.1634, 0.4400, 0.4355.

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

31.1634, 0.4400, 0.4355

Protanopia

31.2617, 0.4123, 0.4520

Deuteranopia

31.1131, 0.4431, 0.4332



Tritanopia

31.0524, 0.3650, 0.3143

Trichromacy



Original Color

31.1634, 0.4400, 0.4355

Protanomaly

31.0839, 0.4235, 0.4455

Deuteranomaly

30.9857, 0.4421, 0.4337

Tritanomaly

30.8026, 0.3968, 0.3609

Monochromacy



Original Color

31.1634, 0.4400, 0.4355

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8332, 0.3592, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1634, 0.4400, 0.4355 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, 145, 62)` looks like.

```
.text, #text, p{  
    color:rgb(187, 145, 62)  
}
```

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, 145, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 145, 62) }
```

Border

The CSS property to change the border of an element to Yxy 31.1634, 0.4400, 0.4355 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, 145, 62) }
```

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

```
.border{ border-color:rgb(187, 145, 62) }
```

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

Here you see how a box with a 4 pixel rgb(187, 145, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 145, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 145, 62);  
box-shadow:4px 4px 4px 4px rgb(187, 145,  
62) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.1634, 0.4400, 0.4355$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 145, 62) }
```

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

```
.background{ background-color: rgb(187,  
145, 62) }
```

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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