

Converting Colors

$Y_{xy}(32.5774, 0.4313, 0.4346)$

Have a look what the booklet for
Yxy(32.5774, 0.4313, 0.4346)
contains.

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Color

Yxy(32.4770, 0.4316, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	BB9544
RGB	187, 149, 68
RGB Percent	73%, 58%, 27%
CMY	0.2667, 0.4157, 0.7333
CMYK	0.00, 0.20, 0.64, 0.27
HSL	41°, 47%, 50%
HSV	41°, 64%, 73%
XYZ	32.2825, 32.4770, 10.0378
YIQ	151.1280, 48.6490, -17.1350

Conversions

Conversions Part 2

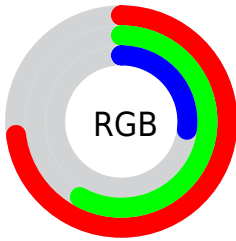
Format	Color
RYB	124, 187, 68
Decimal	12293444
CIELab	63.74, 5.17, 47.13
CIELCh	64, 47.408, 83.739
Yxy	32.4770, 0.4316, 0.4342
Android (android.graphics.Color)	4290483524 (0xFFBB9544)
YUV	151.1280, -40.9821, 31.4597
Hunter-Lab	56.9886, 1.3855, 29.4489

Details

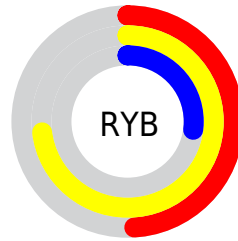
The Yxy color **32.4770, 0.4316, 0.4342** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.1233, 0.2046, 0.1874**, and the grayscale version is **31.1693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6366, 0.4104, 0.4166**, and **13.7040, 0.4611, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **30.4447, 0.4507, 0.4444**, and if you desaturate by 10%, it is **34.6821, 0.4113, 0.4206**.

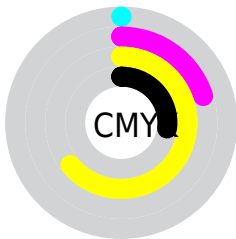
Distribution



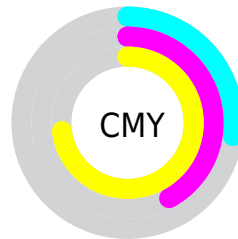
- Red (73%)
- Green (58%)
- Blue (27%)



- Red (49%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)
- Black (27%)





- Cyan (27%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4770, 0.4316, 0.4342 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 32.4770, 0.4316, 0.4342 by changing the saturation by 10% instead.

 32.4770, 0.4316,
0.4342


 32.4770, 0.4316,
0.4342


313.2864, 0.3714,
0.3826


 21.7261, 0.4456,
0.4454


 63.5581, 0.4102,
0.4164


 13.6558, 0.4622,
0.4582


 84.6571, 0.4020,
0.4093

 7.8816, 0.4818,
0.4720


 109.9743, 0.3949,
0.4033

 4.0193, 0.5096,
0.4904

 139.8941, 0.3889,
0.3980

 1.6844, 0.5170,
0.4830

 174.8007, 0.3836,
0.3934

 0.4135, 0.5567,
0.4433

215.0788, 0.3790,

 0.0000, 0.0000,

0.3894

0.0000

261.1125, 0.3750,
0.3858

■ 32.4770, 0.4316,
0.4342

■ 32.4770, 0.4316,
0.4342

■ 30.4447, 0.4507,
0.4444

■ 34.6821, 0.4113,
0.4206

■ 28.5717, 0.4677,
0.4501

■ 37.0629, 0.3908,
0.4046

■ 26.8496, 0.4817,
0.4509

■ 39.6280, 0.3708,
0.3873

■ 25.8191, 0.4895,
0.4495

■ 42.3838, 0.3518,
0.3695

■ 45.3362, 0.3342,
0.3519

■ 48.4910, 0.3182,
0.3349

■ 51.8534, 0.3036,
0.3189

■ 55.4287, 0.2906,
0.3039

■ 59.2216, 0.2790,
0.2900

Harmonies

Analogous

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



32.4770, 0.4604, 0.3828



32.4770, 0.4316, 0.4342



32.4770, 0.3725, 0.4652

Triad

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



32.4770, 0.4316, 0.4342



32.4770, 0.1955, 0.3084



32.4770, 0.3102, 0.2378

Complementary

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



32.4770, 0.4316, 0.4342



15.1233, 0.2046, 0.1874

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.



32.4770, 0.2431, 0.2175



32.4770, 0.4316, 0.4342



32.4770, 0.1836, 0.2494

Square

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



32.4770, 0.4316, 0.4342



32.4770, 0.2366, 0.3874



32.4770, 0.1999, 0.2200



32.4770, 0.3867, 0.2767

Rectangle

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



32.4770, 0.4316, 0.4342



32.4770, 0.3251, 0.4620



32.4770, 0.1999, 0.2200



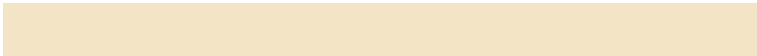
32.4770, 0.2858, 0.2288

Sweetspot

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



32.4786, 0.4316, 0.4342



78.1606, 0.3440, 0.3619



15.7749, 0.4442, 0.2776



16.8821, 0.3492, 0.3669



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.



32.4786, 0.4316, 0.4342



53.2931, 0.4571, 0.4470



44.1860, 0.3817, 0.4848



10.5929, 0.3272, 0.3446



17.9268, 0.4885, 0.4504



0.8153, 0.4681, 0.4665

Inverse Universe

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



15.1233, 0.2046, 0.1874



20.0315, 0.1845, 0.1529



9.7902, 0.2063, 0.1342



9.7092, 0.2984, 0.3129



4.7935, 0.1629, 0.1064



0.3089, 0.1770, 0.1570

Previews

White Background



This preview shows how the Yxy color 32.4770, 0.4316, 0.4342 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 32.4770, 0.4316, 0.4342 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 32.4770, 0.4316, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 32.4770, 0.4316, 0.4342.



This preview shows how white text looks on a background with the Yxy color 32.4770, 0.4316, 0.4342.

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

32.4770, 0.4316, 0.4342

Protanopia

32.6555, 0.4087, 0.4472

Deuteranopia

32.3735, 0.4370, 0.4287



Tritanopia

32.3280, 0.3593, 0.3143

Trichromacy



Original Color

32.4770, 0.4316, 0.4342

Protanomaly

32.5592, 0.4165, 0.4432

Deuteranomaly

32.5566, 0.4350, 0.4304

Tritanomaly

32.1018, 0.3892, 0.3594

Monochromacy



Original Color

32.4770, 0.4316, 0.4342

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0857, 0.3562, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4770, 0.4316, 0.4342 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, 149, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 149, 68)  
}
```

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, 149, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 149, 68) }
```

Border

The CSS property to change the border of an element to Yxy 32.4770, 0.4316, 0.4342 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, 149, 68) }
```

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

```
.border{ border-color:rgb(187, 149, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 149, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 149, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 149, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 149,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4770, 0.4316, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 149, 68) }
```

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

```
.background{ background-color: rgb(187,  
149, 68) }
```

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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