

Converting Colors

$Y_{xy}(33.2223, 0.4351, 0.4453)$

Have a look what the booklet for
Yxy(33.2223, 0.4351, 0.4453)
contains.

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Color

Yxy(33.3475, 0.4345, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	BB983C
RGB	187, 152, 60
RGB Percent	73%, 60%, 24%
CMY	0.2667, 0.4039, 0.7646
CMYK	0.00, 0.19, 0.68, 0.27
HSL	43°, 51%, 48%
HSV	43°, 68%, 73%
XYZ	32.5387, 33.3475, 9.0015
YIQ	151.9770, 50.3920, -21.1920

Conversions

Conversions Part 2

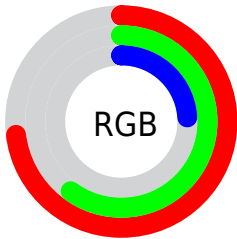
Format	Color
R_{YB}	108, 187, 60
Decimal	12294204
CIE _{Lab}	64.44, 3.05, 51.57
CIE _{LCh}	64, 51.656, 86.619
Yxy	33.3475, 0.4345, 0.4453
Android (android.graphics.Color)	4290484284 (0xFFBB983C)
YUV	151.9770, -45.3447, 30.7152
Hunter-Lab	57.7473, -0.4788, 31.1811

Details

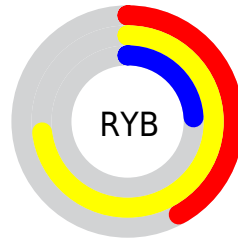
The Yxy color **33.3475, 0.4345, 0.4453** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.7410, 0.1955, 0.1669**, and the grayscale version is **31.5746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9053, 0.4133, 0.4258**, and **14.0532, 0.4636, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **31.5477, 0.4510, 0.4544**, and if you desaturate by 10%, it is **35.2932, 0.4162, 0.4323**.

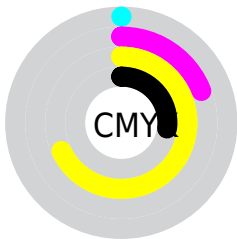
Distribution



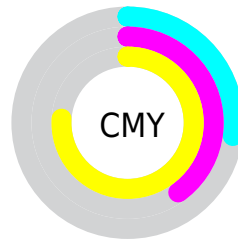
- Red (73%)
- Green (60%)
- Blue (24%)



- Red (42%)
- Yellow (73%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (68%)
- Black (27%)





- Cyan (27%)
- Magenta (40%)
- Yellow (76%)
- Black (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3475, 0.4345, 0.4453 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 33.3475, 0.4345, 0.4453 by changing the saturation by 10% instead.

 33.3475, 0.4345,
0.4453


 33.3475, 0.4345,
0.4453


317.2127, 0.3741,
0.3887


 22.3928, 0.4479,
0.4573


 64.9177, 0.4135,
0.4259


 14.1458, 0.4632,
0.4707


 86.3019, 0.4052,
0.4182

 8.2221, 0.4817,
0.4860


 111.9315, 0.3981,
0.4116

 4.2374, 0.5003,
0.4997

 142.1908, 0.3920,
0.4058

 1.8072, 0.5045,
0.4955

 177.4641, 0.3866,
0.4007

 0.4917, 0.5242,
0.4758

218.1360, 0.3819,

 0.0000, 0.0000,

0.3962

0.0000

264.5907, 0.3778,
0.3922

■ 33.3475, 0.4345,
0.4453

■ 33.3475, 0.4345,
0.4453

■ 31.5477, 0.4510,
0.4544

■ 35.2932, 0.4162,
0.4323

■ 29.8802, 0.4649,
0.4589

■ 37.3874, 0.3970,
0.4164

■ 28.3339, 0.4760,
0.4588

■ 39.6385, 0.3777,
0.3986

■ 28.0196, 0.4782,
0.4585

■ 42.0526, 0.3590,
0.3800

■ 44.6354, 0.3412,
0.3612

■ 47.3923, 0.3248,
0.3429

■ 50.3282, 0.3097,
0.3254

■ 53.4479, 0.2960,
0.3089

■ 56.7560, 0.2837,
0.2936

Harmonies

Analogous

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



33.3475, 0.4703, 0.3906



33.3475, 0.4345, 0.4453



33.3475, 0.3686, 0.4772

Triad

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



33.3475, 0.4345, 0.4453



33.3475, 0.1848, 0.2986



33.3475, 0.3175, 0.2350

Complementary

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



33.3475, 0.4345, 0.4453



12.7410, 0.1955, 0.1669

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.



33.3475, 0.2438, 0.2113



33.3475, 0.4345, 0.4453



33.3475, 0.1756, 0.2387

Square

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



33.3475, 0.4345, 0.4453



33.3475, 0.2251, 0.3839



33.3475, 0.1954, 0.2111



33.3475, 0.3999, 0.2776

Rectangle

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



33.3475, 0.4345, 0.4453



33.3475, 0.3175, 0.4711



33.3475, 0.1954, 0.2111



33.3475, 0.2907, 0.2247

Sweetspot

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



33.3491, 0.4345, 0.4453



78.7875, 0.3454, 0.3658



14.6455, 0.4705, 0.2844



17.0604, 0.3504, 0.3711



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.



33.3491, 0.4345, 0.4453



55.1529, 0.4575, 0.4570



43.2900, 0.3784, 0.4966



10.6636, 0.3271, 0.3455



19.4308, 0.4773, 0.4592



0.8653, 0.4605, 0.4726

Inverse Universe

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



12.7410, 0.1955, 0.1669



16.1447, 0.1754, 0.1301



8.8763, 0.2040, 0.1243



9.6420, 0.2984, 0.3119



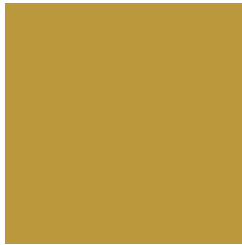
4.2425, 0.1600, 0.0961



0.2800, 0.1739, 0.1459

Previews

White Background



This preview shows how the Yxy color 33.3475, 0.4345, 0.4453 looks on a white background.

Color Contrast Check

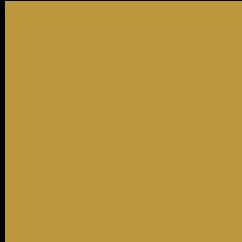
Large Text (above 18pt) WCAG AA × Fail

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 33.3475, 0.4345, 0.4453 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 33.3475, 0.4345, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 33.3475, 0.4345, 0.4453.



This preview shows how white text looks on a background with the Yxy color 33.3475, 0.4345, 0.4453.

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

33.3475, 0.4345, 0.4453

Protanopia

33.4495, 0.4154, 0.4577

Deuteranopia

33.4339, 0.4451, 0.4365



Tritanopia

33.4142, 0.3574, 0.3157

Trichromacy



Original Color

33.3475, 0.4345, 0.4453

Protanomaly

33.3633, 0.4225, 0.4525

Deuteranomaly

33.3561, 0.4410, 0.4393

Tritanomaly

32.9660, 0.3898, 0.3662

Monochromacy



Original Color

33.3475, 0.4345, 0.4453

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7877, 0.3586, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3475, 0.4345, 0.4453 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, 152, 60)` looks like.

```
.text, #text, p{  
    color:rgb(187, 152, 60)  
}
```

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, 152, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 152, 60) }
```

Border

The CSS property to change the border of an element to Yxy 33.3475, 0.4345, 0.4453 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, 152, 60) }
```

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

```
.border{ border-color:rgb(187, 152, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 152, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 152, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 152, 60);  
box-shadow:4px 4px 4px 4px rgb(187, 152,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3475, 0.4345, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 152, 60) }
```

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

```
.background{ background-color: rgb(187,  
152, 60) }
```

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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