

Converting Colors

$Y_{xy}(30.5491, 0.4328, 0.4232)$

Have a look what the booklet for
Yxy(30.5491, 0.4328, 0.4232)
contains.

Yxy(30.5519, 0.4329, 0.4233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5519, 0.4329, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	BA8F48
RGB	186, 143, 72
RGB Percent	73%, 56%, 28%
CMY	0.2705, 0.4392, 0.7177
CMYK	0.00, 0.23, 0.61, 0.27
HSL	37°, 45%, 51%
HSV	37°, 61%, 73%
XYZ	31.2448, 30.5519, 10.3788
YIQ	147.7630, 48.4190, -12.9650

Conversions

Conversions Part 2

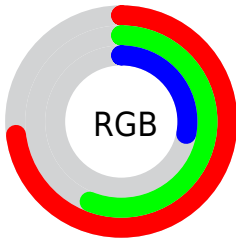
Format	Color
RYB	141, 186, 72
Decimal	12226376
CIELab	62.13, 8.32, 43.34
CIElCh	62, 44.133, 79.133
Yxy	30.5519, 0.4329, 0.4233
Android (android.graphics.Color)	4290416456 (0xFFBA8F48)
YUV	147.7630, -37.3512, 33.5338
Hunter-Lab	55.2738, 4.1722, 27.5587

Details

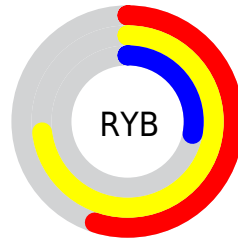
The Yxy color **30.5519, 0.4329, 0.4233** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.1865, 0.2111, 0.2053**, and the grayscale version is **29.6546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7750, 0.4101, 0.4073**, and **12.6325, 0.4672, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **28.3047, 0.4548, 0.4333**, and if you desaturate by 10%, it is **33.0074, 0.4105, 0.4102**.

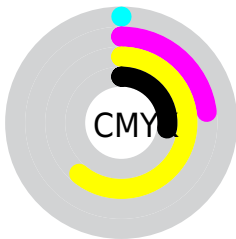
Distribution



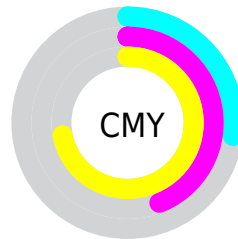
- Red (73%)
- Green (56%)
- Blue (28%)



- Red (55%)
- Yellow (73%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (61%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5519, 0.4329, 0.4233 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 30.5519, 0.4329, 0.4233 by changing the saturation by 10% instead.

 30.5519, 0.4329,
0.4233


 30.5519, 0.4329,
0.4233


304.4686, 0.3707,
0.3769

 20.2579, 0.4480,
0.4334


 60.5339, 0.4103,
0.4072


 12.5826, 0.4665,
0.4450


 80.9906, 0.4018,
0.4009

 7.1418, 0.4889,
0.4572


 105.6038, 0.3946,
0.3954

 3.5509, 0.5243,
0.4757

 134.7576, 0.3884,
0.3907

 1.4257, 0.5370,
0.4630

 168.8366, 0.3830,
0.3866

 0.2355, 0.6445,
0.3555

208.2252, 0.3784,

 0.0000, 0.0000,

0.3829

0.0000

253.3077, 0.3743,
0.3797

■ 30.5519, 0.4329,
0.4233

■ 30.5519, 0.4329,
0.4233

■ 28.3047, 0.4548,
0.4333

■ 33.0074, 0.4105,
0.4102

■ 26.2520, 0.4749,
0.4390

■ 35.6750, 0.3885,
0.3950

■ 24.3847, 0.4924,
0.4397

■ 38.5638, 0.3676,
0.3788

■ 22.8951, 0.5054,
0.4369

■ 41.6811, 0.3482,
0.3624

■ 45.0334, 0.3305,
0.3463

■ 48.6272, 0.3147,
0.3309

■ 52.4685, 0.3005,
0.3165

■ 56.5630, 0.2879,
0.3030

■ 60.9164, 0.2767,
0.2906

Harmonies

Analogous

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



30.5519, 0.4539, 0.3731



30.5519, 0.4329, 0.4233



30.5519, 0.3802, 0.4563

Triad

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



30.5519, 0.4329, 0.4233



30.5519, 0.2050, 0.3207



30.5519, 0.2996, 0.2374

Complementary

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



30.5519, 0.4329, 0.4233



17.1865, 0.2111, 0.2053

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.



30.5519, 0.2384, 0.2211



30.5519, 0.4329, 0.4233



30.5519, 0.1891, 0.2603

Square

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



30.5519, 0.4329, 0.4233



30.5519, 0.2487, 0.3956



30.5519, 0.2006, 0.2275



30.5519, 0.3724, 0.2725

Rectangle

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



30.5519, 0.4329, 0.4233



30.5519, 0.3357, 0.4576



30.5519, 0.2006, 0.2275



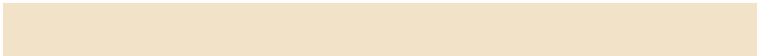
30.5519, 0.2771, 0.2297

Sweetspot

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



30.5534, 0.4329, 0.4233



77.3121, 0.3427, 0.3575



16.3285, 0.4266, 0.2710



16.6433, 0.3481, 0.3623



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.



30.5534, 0.4329, 0.4233



49.7921, 0.4629, 0.4361



44.4447, 0.3854, 0.4771



9.9186, 0.3273, 0.3432



15.5477, 0.5039, 0.4381



0.6631, 0.4768, 0.4596

Inverse Universe

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



17.1865, 0.2111, 0.2053



23.6117, 0.1908, 0.1721



10.1241, 0.2057, 0.1392



9.2599, 0.2985, 0.3144



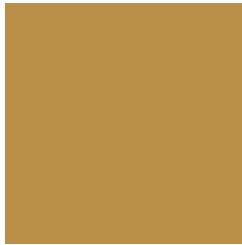
5.4806, 0.1672, 0.1220



0.3139, 0.1822, 0.1760

Previews

White Background



This preview shows how the Yxy color 30.5519, 0.4329, 0.4233 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 30.5519, 0.4329, 0.4233 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 30.5519, 0.4329, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 30.5519, 0.4329, 0.4233.



This preview shows how white text looks on a background with the Yxy color 30.5519, 0.4329, 0.4233.

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

30.5519, 0.4329, 0.4233

Protanopia

30.7346, 0.4021, 0.4410

Deuteranopia

30.5519, 0.4329, 0.4233



Tritanopia

30.5787, 0.3665, 0.3155

Trichromacy



Original Color

30.5519, 0.4329, 0.4233

Protanomaly

30.5451, 0.4132, 0.4349

Deuteranomaly

30.5519, 0.4329, 0.4233

Tritanomaly

30.4321, 0.3940, 0.3569

Monochromacy



Original Color

30.5519, 0.4329, 0.4233

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5952, 0.3565, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5519, 0.4329, 0.4233 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(186, 143, 72)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 72)  
}
```

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(186, 143, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 72) }
```

Border

The CSS property to change the border of an element to Yxy 30.5519, 0.4329, 0.4233 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(186, 143, 72) }
```

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

```
.border{ border-color:rgb(186, 143, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 72);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5519, 0.4329, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 72) }
```

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

```
.background{ background-color: rgb(186,  
143, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor