

Converting Colors

$Y_{xy}(30.8417, 0.4368, 0.4421)$

Have a look what the booklet for
Yxy(30.8417, 0.4368, 0.4421)
contains.

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Color

Yxy(30.9408, 0.4369, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	B7923B
RGB	183, 146, 59
RGB Percent	72%, 57%, 23%
CMY	0.2823, 0.4274, 0.7687
CMYK	0.00, 0.20, 0.68, 0.28
HSL	42°, 51%, 47%
HSV	42°, 68%, 72%
XYZ	30.5976, 30.9408, 8.4951
YIQ	147.1450, 49.9790, -19.2130

Conversions

Conversions Part 2

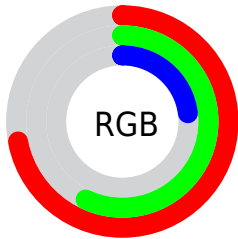
Format	Color
RYB	112, 183, 59
Decimal	12030523
CIELab	62.46, 4.50, 49.81
CIELCh	62, 50.014, 84.839
Yxy	30.9408, 0.4369, 0.4418
Android (android.graphics.Color)	4290220603 (0xFFB7923B)
YUV	147.1450, -43.4555, 31.4448
Hunter-Lab	55.6245, 0.8456, 29.8822

Details

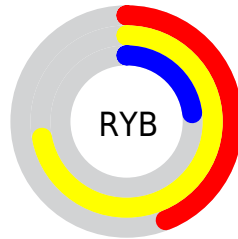
The Yxy color **30.9408, 0.4369, 0.4418** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.7126, 0.1971, 0.1724**, and the grayscale version is **29.4090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3116, 0.4149, 0.4234**, and **12.8014, 0.4669, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **29.1410, 0.4544, 0.4506**, and if you desaturate by 10%, it is **32.8905, 0.4178, 0.4291**.

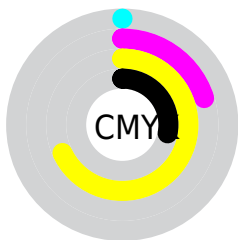
Distribution



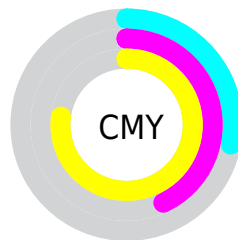
- Red (72%)
- Green (57%)
- Blue (23%)



- Red (44%)
- Yellow (72%)
- Blue (23%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (28%)





- Cyan (28%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9408, 0.4369, 0.4418 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 30.9408, 0.4369, 0.4418 by changing the saturation by 10% instead.


 30.9408, 0.4369,
0.4418


 30.9408, 0.4369,
0.4418


306.2655, 0.3742,
0.3865


 20.5538, 0.4511,
0.4535


 61.1469, 0.4148,
0.4228


 12.7982, 0.4677,
0.4666


 81.7347, 0.4062,
0.4153


 7.2897, 0.4890,
0.4826

 106.4915, 0.3989,
0.4087

 3.6440, 0.5074,
0.4926

 135.8019, 0.3925,
0.4031

 1.4765, 0.5143,
0.4857

 170.0500, 0.3870,
0.3981

 0.2721, 0.5752,
0.4248

 209.6204, 0.3822,

 0.0000, 0.0000,

0.3938

0.0000

254.8974, 0.3780,
0.3899

■ 30.9408, 0.4369,
0.4418

■ 30.9408, 0.4369,
0.4418

■ 29.1410, 0.4544,
0.4506

■ 32.8905, 0.4178,
0.4291

■ 27.4783, 0.4693,
0.4548

■ 34.9931, 0.3979,
0.4136

■ 25.9418, 0.4813,
0.4543

■ 37.2565, 0.3781,
0.3963

■ 25.6117, 0.4839,
0.4540

■ 39.6870, 0.3591,
0.3782

■ 42.2900, 0.3411,
0.3600

■ 45.0709, 0.3246,
0.3422

■ 48.0345, 0.3095,
0.3253

■ 51.1857, 0.2958,
0.3094

■ 54.5289, 0.2836,
0.2946

Harmonies

Analogous

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



30.9408, 0.4700, 0.3869



30.9408, 0.4369, 0.4418



30.9408, 0.3728, 0.4754

Triad

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



30.9408, 0.4369, 0.4418



30.9408, 0.1872, 0.3034



30.9408, 0.3126, 0.2336

Complementary

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



30.9408, 0.4369, 0.4418



12.7126, 0.1971, 0.1724

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.



30.9408, 0.2406, 0.2113



30.9408, 0.4369, 0.4418



30.9408, 0.1761, 0.2420

Square

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



30.9408, 0.4369, 0.4418



30.9408, 0.2290, 0.3886



30.9408, 0.1942, 0.2127



30.9408, 0.3947, 0.2750

Rectangle

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



30.9408, 0.4369, 0.4418



30.9408, 0.3221, 0.4716



30.9408, 0.1942, 0.2127



30.9408, 0.2864, 0.2238

Sweetspot

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



30.9423, 0.4369, 0.4418



74.5103, 0.3456, 0.3646



14.0428, 0.4656, 0.2817



16.1666, 0.3506, 0.3697



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.



30.9423, 0.4369, 0.4418



50.7964, 0.4615, 0.4531



41.4749, 0.3802, 0.4949



10.0386, 0.3271, 0.3450



17.9899, 0.4830, 0.4547



0.7367, 0.4630, 0.4706

Inverse Universe

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



12.7126, 0.1971, 0.1724



16.2586, 0.1770, 0.1358



8.4210, 0.2026, 0.1241



9.1447, 0.2985, 0.3125



4.3714, 0.1615, 0.1015



0.2658, 0.1767, 0.1560

Previews

White Background



This preview shows how the Yxy color 30.9408, 0.4369, 0.4418 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 30.9408, 0.4369, 0.4418 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 30.9408, 0.4369, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 30.9408, 0.4369, 0.4418.



This preview shows how white text looks on a background with the Yxy color 30.9408, 0.4369, 0.4418.

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

30.9408, 0.4369, 0.4418

Protanopia

31.2284, 0.4144, 0.4552

Deuteranopia

30.9641, 0.4435, 0.4356



Tritanopia

30.9451, 0.3613, 0.3154

Trichromacy



Original Color

30.9408, 0.4369, 0.4418

Protanomaly

31.1376, 0.4225, 0.4509

Deuteranomaly

31.0161, 0.4404, 0.4379

Tritanomaly

30.5588, 0.3929, 0.3642

Monochromacy



Original Color

30.9408, 0.4369, 0.4418

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.5788, 0.3590, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9408, 0.4369, 0.4418 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, 146, 59)` looks like.

```
.text, #text, p{  
    color:rgb(183, 146, 59)  
}
```

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, 146, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 146, 59) }
```

Border

The CSS property to change the border of an element to Yxy 30.9408, 0.4369, 0.4418 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, 146, 59) }
```

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

```
.border{ border-color:rgb(183, 146, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 146, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 146, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 146, 59);  
box-shadow:4px 4px 4px 4px rgb(183, 146,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9408, 0.4369, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 146, 59) }
```

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

```
.background{ background-color: rgb(183,  
146, 59) }
```

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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