

Converting Colors

$Y_{xy}(30.7339, 0.4829, 0.4321)$

Have a look what the booklet for
Yxy(30.7339, 0.4829, 0.4321)
contains.

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Color

Yxy(30.7339, 0.4829, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	CD8827
RGB	205, 136, 39
RGB Percent	80%, 53%, 15%
CMY	0.1961, 0.4666, 0.8468
CMYK	0.00, 0.34, 0.81, 0.20
HSL	35°, 68%, 48%
HSV	35°, 81%, 80%
XYZ	34.3471, 30.7339, 6.0458
YIQ	145.5730, 72.2610, -15.5390

Conversions

Conversions Part 2

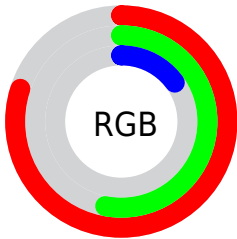
Format	Color
RYB	157, 205, 39
Decimal	13469735
CIELab	62.28, 18.72, 58.67
CIElCh	62, 61.582, 72.307
Yxy	30.7339, 0.4829, 0.4321
Android (android.graphics.Color)	4291659815 (0xFFCD8827)
YUV	145.5730, -52.5405, 52.1175
Hunter-Lab	55.4382, 13.5743, 32.3409

Details

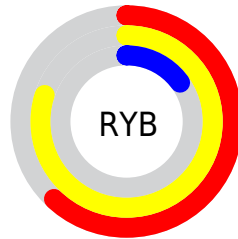
The Yxy color **30.7339, 0.4829, 0.4321** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.5743, 0.1859, 0.1681**, and the grayscale version is **28.7606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4279, 0.4448, 0.4235**, and **12.6753, 0.5115, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **28.3280, 0.5022, 0.4318**, and if you desaturate by 10%, it is **33.4072, 0.4608, 0.4272**.

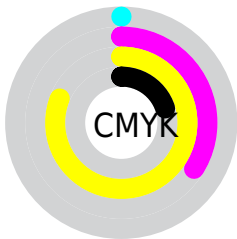
Distribution



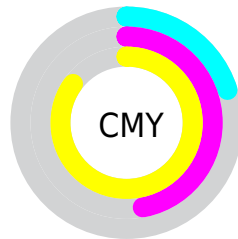
- Red (80%)
- Green (53%)
- Blue (15%)



- Red (62%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (34%)
- Yellow (81%)
- Black (20%)





- Cyan (20%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7339, 0.4829, 0.4321 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 30.7339, 0.4829, 0.4321 by changing the saturation by 10% instead.


 30.7339, 0.4829,
0.4321


 30.7339, 0.4829,
0.4321


305.3105, 0.3978,
0.3878

 20.3963, 0.5013,
0.4384


 60.8209, 0.4535,
0.4191


 12.6834, 0.5223,
0.4429


 81.3391, 0.4418,
0.4131

 7.2109, 0.5517,
0.4483


 106.0195, 0.4318,
0.4077

 3.5944, 0.5675,
0.4325

 135.2467, 0.4231,
0.4029

 1.4493, 0.5933,
0.4067

 169.4050, 0.4156,
0.3985

 0.2527, 0.7340,
0.2660

 208.8788, 0.4089,

 0.0000, 0.0000,

0.3946

0.0000

254.0525, 0.4031,
0.3910

■ 30.7339, 0.4829,
0.4321

■ 30.7339, 0.4829,
0.4321

■ 28.3280, 0.5022,
0.4318

■ 33.4072, 0.4608,
0.4272

■ 26.3562, 0.5170,
0.4277

■ 36.3578, 0.4371,
0.4179

■ 39.6002, 0.4131,
0.4055

■ 43.1460, 0.3899,
0.3910

■ 47.0059, 0.3682,
0.3756

■ 51.1899, 0.3482,
0.3601

■ 55.7074, 0.3302,
0.3448

■ 60.5675, 0.3141,
0.3303

■ 65.7786, 0.2999,
0.3167

Harmonies

Analogous

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



30.7339, 0.5050, 0.3634



30.7339, 0.4829, 0.4321



30.7339, 0.4158, 0.4928

Triad

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



30.7339, 0.4829, 0.4321



30.7339, 0.1778, 0.3372



30.7339, 0.2718, 0.2020

Complementary

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



30.7339, 0.4829, 0.4321



15.5743, 0.1859, 0.1681

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.



30.7339, 0.1990, 0.1867



30.7339, 0.4829, 0.4321



30.7339, 0.1520, 0.2471

Square

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



30.7339, 0.4829, 0.4321



30.7339, 0.2401, 0.4481



30.7339, 0.1597, 0.1994



30.7339, 0.3709, 0.2413

Rectangle

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



30.7339, 0.4829, 0.4321



30.7339, 0.3581, 0.5125



30.7339, 0.1597, 0.1994



30.7339, 0.2438, 0.1940

Sweetspot

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



30.7355, 0.4829, 0.4321



81.4931, 0.3547, 0.3653



15.5200, 0.4780, 0.2592



16.9142, 0.3619, 0.3709



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7355, 0.4829, 0.4321



43.7870, 0.5139, 0.4283



54.9056, 0.4017, 0.5044



12.2844, 0.3276, 0.3425



16.5999, 0.5153, 0.4291



1.0040, 0.4916, 0.4478

Inverse Universe

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



15.5743, 0.1859, 0.1681



18.5261, 0.1708, 0.1331



6.6159, 0.1690, 0.0846



11.5975, 0.2983, 0.3151



6.9892, 0.1701, 0.1324



0.5093, 0.1809, 0.1714

Previews

White Background



This preview shows how the Yxy color 30.7339, 0.4829, 0.4321 looks on a white background.

Color Contrast Check

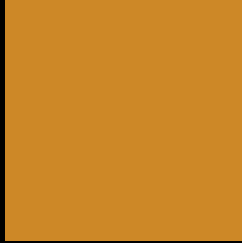
Large Text (above 18pt) WCAG AA × Fail

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 30.7339, 0.4829, 0.4321 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 30.7339, 0.4829, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 30.7339, 0.4829, 0.4321.



This preview shows how white text looks on a background with the Yxy color 30.7339, 0.4829, 0.4321.

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

30.7339, 0.4829, 0.4321

Protanopia

30.7427, 0.4263, 0.4704

Deuteranopia

30.7194, 0.4611, 0.4515



Tritanopia

30.6580, 0.4004, 0.3179

Trichromacy



Original Color

30.7339, 0.4829, 0.4321

Protanomaly

30.6700, 0.4463, 0.4565

Deuteranomaly

30.4918, 0.4693, 0.4442

Tritanomaly

30.3147, 0.4384, 0.3656

Monochromacy



Original Color

30.7339, 0.4829, 0.4321

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6230, 0.3777, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7339, 0.4829, 0.4321 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(205, 136, 39)` looks like.

```
.text, #text, p{  
    color:rgb(205, 136, 39)  
}
```

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(205, 136, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 136, 39) }
```

Border

The CSS property to change the border of an element to Yxy 30.7339, 0.4829, 0.4321 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(205, 136, 39) }
```

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

```
.border{ border-color:rgb(205, 136, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 136, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 136, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 136, 39);  
box-shadow:4px 4px 4px 4px rgb(205, 136,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7339, 0.4829, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 136, 39) }
```

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

```
.background{ background-color: rgb(205,  
136, 39) }
```

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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