

Converting Colors

$Y_{xy}(30.6381, 0.4657, 0.4420)$

Have a look what the booklet for
Yxy(30.6381, 0.4657, 0.4420)
contains.

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Color

Yxy(30.8190, 0.4656, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	C38D2A
RGB	195, 141, 42
RGB Percent	76%, 55%, 16%
CMY	0.2353, 0.4471, 0.8354
CMYK	0.00, 0.28, 0.78, 0.24
HSL	39°, 65%, 46%
HSV	39°, 78%, 76%
XYZ	32.4499, 30.8190, 6.4259
YIQ	145.8600, 63.9630, -19.3410

Conversions

Conversions Part 2

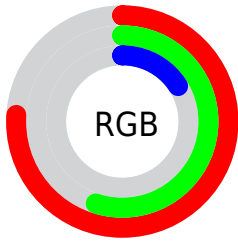
Format	Color
RYB	125, 195, 42
Decimal	12815658
CIELab	62.35, 11.72, 57.23
CIElCh	62, 58.415, 78.423
Yxy	30.8190, 0.4656, 0.4422
Android (android.graphics.Color)	4291005738 (0xFFC38D2A)
YUV	145.8600, -51.2030, 43.0958
Hunter-Lab	55.5149, 7.1868, 31.9976

Details

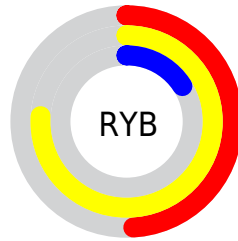
The Yxy color **30.8190, 0.4656, 0.4422** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **12.7940, 0.1848, 0.1578**, and the grayscale version is **28.8782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6698, 0.4393, 0.4257**, and **12.8005, 0.4917, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **28.7464, 0.4827, 0.4448**, and if you desaturate by 10%, it is **33.0887, 0.4459, 0.4348**.

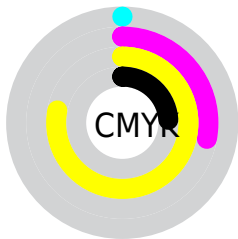
Distribution



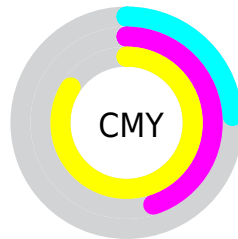
- Red (76%)
- Green (55%)
- Blue (16%)



- Red (49%)
- Yellow (76%)
- Blue (16%)



- Cyan (0%)
- Magenta (28%)
- Yellow (78%)
- Black (24%)





- Cyan (24%)
- Magenta (45%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8190, 0.4656, 0.4422 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 30.8190, 0.4656, 0.4422 by changing the saturation by 10% instead.

 30.8190, 0.4656,
0.4422


 30.8190, 0.4656,
0.4422


305.7036, 0.3895,
0.3905

 20.4611, 0.4820,
0.4511


 60.9550, 0.4393,
0.4259

 12.7306, 0.5005,
0.4594


 81.5018, 0.4289,
0.4189


 7.2433, 0.5283,
0.4717


 106.2138, 0.4199,
0.4127

 3.6147, 0.5386,
0.4614

 135.4752, 0.4121,
0.4072

 1.4605, 0.5558,
0.4442

 169.6705, 0.4054,
0.4023

 0.2607, 0.6720,
0.3280

 209.1840, 0.3994,

 0.0000, 0.0000,

0.3979

0.0000

254.4003, 0.3941,
0.3940

■ 30.8190, 0.4656,
0.4422

■ 30.8190, 0.4656,
0.4422

■ 28.7464, 0.4827,
0.4448

■ 33.0887, 0.4459,
0.4348

■ 26.8501, 0.4968,
0.4425

■ 35.5617, 0.4247,
0.4234

■ 26.5736, 0.4989,
0.4420

■ 38.2493, 0.4030,
0.4090

■ 41.1599, 0.3818,
0.3929

■ 44.3016, 0.3617,
0.3760

■ 47.6818, 0.3429,
0.3590

■ 51.3075, 0.3259,
0.3424

■ 55.1851, 0.3105,
0.3267

■ 59.3211, 0.2967,
0.3119

Harmonies

Analogous

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



30.8190, 0.4962, 0.3768



30.8190, 0.4656, 0.4422



30.8190, 0.3963, 0.4935

Triad

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



30.8190, 0.4656, 0.4422



30.8190, 0.1760, 0.3170



30.8190, 0.2919, 0.2132

Complementary

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



30.8190, 0.4656, 0.4422



12.7940, 0.1848, 0.1578

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.



30.8190, 0.2157, 0.1935



30.8190, 0.4656, 0.4422



30.8190, 0.1576, 0.2390

Square

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



30.8190, 0.4656, 0.4422



30.8190, 0.2294, 0.4213



30.8190, 0.1711, 0.2001



30.8190, 0.3880, 0.2553

Rectangle

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



30.8190, 0.4656, 0.4422



30.8190, 0.3395, 0.5024



30.8190, 0.1711, 0.2001



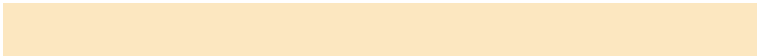
30.8190, 0.2633, 0.2039

Sweetspot

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



30.8205, 0.4656, 0.4422



81.7693, 0.3538, 0.3690



14.1407, 0.4852, 0.2686



17.4344, 0.3607, 0.3752



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.



30.8205, 0.4656, 0.4422



49.0809, 0.4927, 0.4435



48.2694, 0.3937, 0.5064



11.1408, 0.3273, 0.3439



17.4326, 0.4976, 0.4431



0.8789, 0.4759, 0.4603

Inverse Universe

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



12.7940, 0.1848, 0.1578



16.0628, 0.1679, 0.1210



6.6308, 0.1773, 0.0927



10.3166, 0.2984, 0.3137



5.4569, 0.1653, 0.1149



0.3663, 0.1782, 0.1614

Previews

White Background



This preview shows how the Yxy color 30.8190, 0.4656, 0.4422 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 30.8190, 0.4656, 0.4422 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 30.8190, 0.4656, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 30.8190, 0.4656, 0.4422.



This preview shows how white text looks on a background with the Yxy color 30.8190, 0.4656, 0.4422.

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

30.8190, 0.4656, 0.4422

Protanopia

30.7577, 0.4253, 0.4688

Deuteranopia

30.7522, 0.4587, 0.4484



Tritanopia

30.8730, 0.3810, 0.3161

Trichromacy



Original Color

30.8190, 0.4656, 0.4422

Protanomaly

30.5143, 0.4399, 0.4589

Deuteranomaly

30.7126, 0.4619, 0.4459

Tritanomaly

30.5107, 0.4194, 0.3675

Monochromacy



Original Color

30.8190, 0.4656, 0.4422

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9217, 0.3722, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8190, 0.4656, 0.4422 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(195, 141, 42)` looks like.

```
.text, #text, p{  
    color:rgb(195, 141, 42)  
}
```

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(195, 141, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 141, 42) }
```

Border

The CSS property to change the border of an element to Yxy 30.8190, 0.4656, 0.4422 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(195, 141, 42) }
```

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

```
.border{ border-color:rgb(195, 141, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 141, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 141, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 141, 42);  
box-shadow:4px 4px 4px 4px rgb(195, 141,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8190, 0.4656, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 141, 42) }
```

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

```
.background{ background-color: rgb(195,  
141, 42) }
```

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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